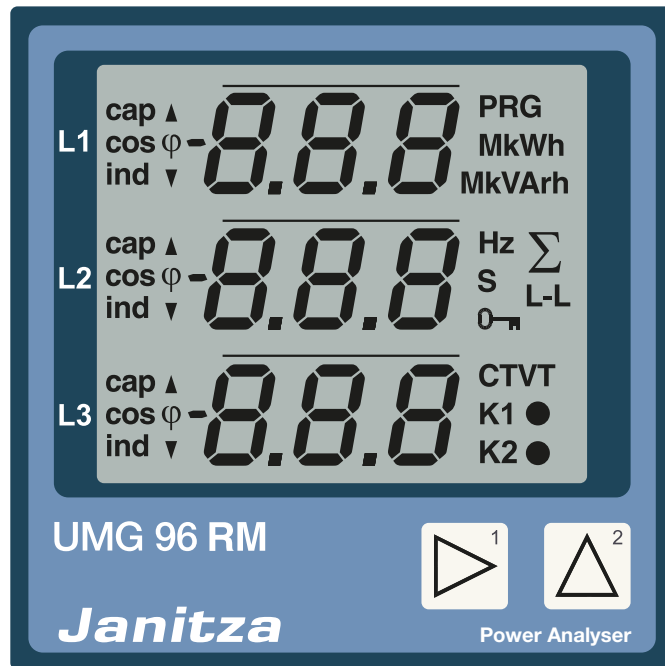


Power Analyser UMG 96RM-E

Modbus-Adressenliste und
Formelsammlung



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Modbus

Modbus-Funktionen

Das UMG 96RM-E unterstützt als Slave folgende Modbus-Funktionen:

03 Read Holding Registers

Reads the binary contents of holding registers (4X references) in the slave.

04 Read Input Registers

Reads the binary contents of input registers (3X references) in the slave.

06 Preset Single Register

Presets a value into a single holding register (4X reference). When broadcast, the function presets the same register reference in all attached slaves.

16 (10Hex) Preset Multiple Registers

Presets values into a sequence of holding registers (4X references). When broadcast, the function presets the same register references in all attached slaves.

23 (17Hex) Read/Write 4X Registers

Performs a combination of one read and one write operation in a single Modbus transaction. The function can write new contents to a group of 4XXXX registers, and then return the contents of another group of 4XXXX registers. Broadcast is not supported.

RS485 Übertragungsparameter

Das UMG 96RM-E unterstützt folgende Übertragungsparameter:

| | |
|-----------------------|--|
| Baudrate | : 9600, 19200, 38400, 57600 und 11500 Baud |
| Datenbits | : 8 |
| Parität | : keine |
| Stopbits (UMG 96RM-E) | : 2 |
| Stopbits extern | : 1 oder 2 |

Byte-Reihenfolge

Die Daten in der Modbus-Adressenliste können im Format

- Big-Endian (High-Byte vor Low-Byte) und im Format
- Little-Endian (Low-Byte vor High-Byte)

abgerufen werden.

Die in dieser Adressenliste beschriebenen Adressen liefern die Daten im Format „Big-Endian“ zurück.

Wenn Sie Daten im Format „Little-Endian“ benötigen, müssen Sie zur Adresse den Wert 32768 addieren.

Aktualisierungsrate

Die Modbus-Registeradressen werden alle 200ms aktualisiert.

Messwerte

- Messwerte im **Short-Format** berücksichtigen **nicht** die eingestellten Wandlerverhältnisse, d.h. diese Messwerte sind mit dem entsprechenden Wandlerfaktor zu multiplizieren!
- Messwerte im **Float oder Integer-Format** berücksichtigen die entsprechenden Wandlerfaktoren!

Zahlenformate

| Typ | Größe | Minimum | Maximum |
|--------|--------|-----------|--------------|
| char | 8 bit | 0 | 255 |
| byte | 8 bit | -128 | 127 |
| short | 16 bit | -2^{15} | $2^{15} - 1$ |
| ushort | 16 bit | 0 | $2^{16} - 1$ |
| int | 32 bit | -2^{31} | $2^{31} - 1$ |
| uint | 32 bit | 0 | $2^{32} - 1$ |
| long64 | 64 bit | -2^{63} | $2^{63} - 1$ |
| float | 32 bit | IEEE 754 | IEEE 754 |
| double | 64 bit | IEEE 754 | IEEE 754 |

Symbole und Definitionen

| | |
|-----------|--|
| N | Gesamtzahl der Abtastpunkte je Periode (Zum Beispiel in einer Periode von 20ms) |
| k | Abtastwert oder Anzahl der Abtastwerte je Periode ($0 \leq k < N$) |
| p | Nummer bzw. Kennung des Außenleiters ($p = 1, 2$ oder 3) |
| i_{pk} | Abtastwert k des Stroms von Außenleiter p |
| u_{pNk} | Abtastwert k der Neutralspannung von Außenleiter p |
| P_p | Wirkleistung für Außenleiter p |

Erläuterungen zu den Messwerten

Messwert

- Ein Messwert ist ein Effektivwert der über einen Zeitraum (Messfenster) von 200ms gebildet wird.
- Ein Messfenster im 50Hz Netz beträgt 10 Perioden und im 60Hz Netz 12 Perioden.
- Ein Messfenster hat einen Startzeitpunkt und einen Endzeitpunkt.
- Die Auflösung von Startzeitpunkt und Endzeitpunkt betragen ca. 2ns.
- Die Genauigkeit von Startzeitpunkt und Endzeitpunkt hängt von der Genauigkeit der internen Uhr ab.
(Typisch +/- 1Minute/Monat)
- Um die Genauigkeit der internen Uhr zu verbessern empfiehlt es sich die Uhrzeit im Gerät mit der eines Zeitserverns zu vergleichen und nachzuführen.



Die in dieser Dokumentation aufgeführten Adressen im Bereich 0 - 999 sind direkt am Gerät einstellbar. Der Adress-Bereich ab 1000 kann ausschließlich über Modbus bearbeitet werden!

Mittelwert des Messwertes

- Für jeden Messwert wird über den gewählten Mittelungszeitraum ein gleitender Mittelwert berechnet.
- Der Mittelwert wird alle 200ms berechnet.
- Die möglichen Mittelungszeiten können Sie der Tabelle entnehmen.

| n | Mittelungszeit / Sekunden |
|---|---------------------------|
| 0 | 5 |
| 1 | 10 |
| 2 | 15 |
| 3 | 30 |
| 4 | 60 |
| 5 | 300 |
| 6 | 480 |
| 7 | 600 |
| 8 | 900 |

Maxwert des Messwertes

- Der *Maxwert des Messwertes* ist der größte Messwert der seit der letzten Löschung aufgetreten ist.

Minwert des Messwertes

- Der *Minwert des Messwertes* ist der kleinste Messwert der seit der letzten Löschung aufgetreten ist.

Maxwert of average value

- Ein *Maxwert des Mittelwertes* ist der größte Mittelwert der seit der letzten Löschung aufgetreten ist.

Nominal-Strom, -Spannung, -Frequenz

- Die Grenzwerte für Ereignisse und Transienten werden in Prozent vom Nominalwert eingestellt.

Nennstrom I_{rated}

- Der I_{rated} ist der Nennstrom des Transformators und wird für die Berechnung des K-Faktors benötigt.

Peakwert negativ

- Höchster negativer Abtastwert aus dem letzten 200ms Messfenster.

Peakwert positiv

- Höchster positiver Abtastwert aus dem letzten 200ms Messfenster.

Crest-Faktor

- Der Crest-Faktor beschreibt das Verhältnis zwischen Spitzenwert und Effektivwert einer Wechselgröße. Er dient als Kennwert zur groben Beschreibung der Kurvenform einer Wechselgröße. Eine weitere Größe zur Charakterisierung der Abweichung von der reinen Sinusform ist zum Beispiel der Klirrfaktor.

Beispiel:

Eine sinusförmige Wechselspannung mit einem Effektivwert von 230 V hat einen Spitzenwert von ca. 325 V.
Der Crest-Faktor beträgt dann $325 \text{ V} / 230 \text{ V} = 1,414$.

Effektivwert des Stroms für Außenleiter p

$$I_p = \sqrt{\frac{1}{N} \cdot \sum_{k=0}^{N-1} i_{p_k}^2}$$

Effektivwert des Neutralleiterstroms

$$I_N = \sqrt{\frac{1}{N} \cdot \sum_{k=0}^{N-1} (i_{1_k} + i_{2_k} + i_{3_k})^2}$$

Effektivspannung L-N

$$U_{pN} = \sqrt{\frac{1}{N} \cdot \sum_{k=0}^{N-1} u_{pN_k}^2}$$

Effektivspannung L-L

$$U_{pg} = \sqrt{\frac{1}{N} \cdot \sum_{k=0}^{N-1} (u_{gN_k} - u_{pN_k})^2}$$

Sternpunktspannung (vektoriell)

$$U_{\text{Sternpunktspannung}} = U_{1_{ms}} + U_{2_{ms}} + U_{3_{ms}}$$

Wirkleistung für Außenleiter

$$P_p = \frac{1}{N} \cdot \sum_{k=0}^{N-1} (u_{pN_k} \times i_{p_k})$$

Scheinleistung für Außenleiter p

- Die Scheinleistung ist vorzeichenlos.

$$S_p = U_{pN} \cdot I_p$$

Gesamt-Scheinleistung (arithmetisch)

- Die Scheinleistung ist vorzeichenlos.

$$S_A = S_1 + S_2 + S_3$$

Peak demand P_{\max}

- T = Periodendauer
- t_n = n-te Intervallzeit
- P_n = n-te Leistungsmesswert
- N = Anzahl der Messintervalle in der Periodendauer T

$$P_{\max} = \max \left(P_{\max}; \frac{1}{T} \sum_{n=1}^N (t_n \cdot P_n) \right)$$

Ordnungsnummern der Oberschwingungen

xxx[0] = Grundschiwingung (50Hz/60Hz)
 xxx[1] = 2-te Oberschwingung (100Hz/120Hz)
 xxx[2] = 3-te Oberschwingung (150Hz/180Hz)
 usw.

THD

- THD (Total Harmonic Distortion) ist der Verzerrungsfaktor und gibt das Verhältnis der harmonischen Anteile einer Schwingung zur Grundschiwingung an.

Verzerrungsfaktor für die Spannung

- M = 40 (UMG604, UMG508, UMG96RM)
- M = 50 (UMG605, UMG511)
- fund entspricht n=1

$$THD_U = \frac{1}{|U_{fund}|} \sqrt{\sum_{n=2}^M |U_{n.Harm}|^2}$$

Verzerrungsfaktor für den Strom

- M = 40 (UMG604, UMG508, UMG96RM)
- M = 50 (UMG605, UMG511)
- fund entspricht n=1

$$THD_I = \frac{1}{|I_{fund}|} \sqrt{\sum_{n=2}^M |I_{n.Harm}|^2}$$

ZHD

- THD für die Zwischenharmonischen.
- Wird in den Geräteserien UMG511 und UMG605 berechnet.

Zwischenharmonische

- Sinusförmige Schwingungen, deren Frequenzen kein ganzzahliges Vielfaches der Netzfrequenz (Grundschiwingung) sind.
- Wird in den Geräteserien UMG511 und UMG605 berechnet.
- Berechnungs- und Messverfahren entsprechen der DIN EN 61000-4-30.
- Die Ordnungsnummer einer Zwischenharmonischen entspricht der Ordnungsnummer der nächst kleineren Oberschiwingung. Es liegt also zum Beispiel zwischen der 3-ten und 4-ten Oberschiwingung die 3-te Zwischenharmonische.

TDD (I)

- TDD (Total Demand Distortion) gibt das Verhältnis zwischen den Stromoberschwingungen (THDi) und den Stromeffektivwert bei Vollast an.
- IL = Voll-Laststrom
- M = 40 (UMG604, UMG508, UMG96RM)
- M = 50 (UMG605, UMG511)

$$TDD = \frac{1}{I_L} \sqrt{\sum_{n=2}^M I_n^2} \times 100\%$$

Rundsteuersignal U (EN61000-4-30)

Das Rundsteuersignal U, ist eine Spannung (200ms Messwert), die zu einer vom Nutzer festgelegten Trägerfrequenz gemessen wurde. Es werden nur Frequenzen unterhalb 3kHz betrachtet.

Rundsteuersignal I

Das Rundsteuersignal I, ist ein Strom (200ms Messwert), die zu einer vom Nutzer festgelegten Trägerfrequenz gemessen wurde. Es werden nur Frequenzen unterhalb 3kHz betrachtet.

Mitsystem-Gegensystem-Nullsystem

- Das Ausmaß einer Spannungs- oder Strom-Unsymmetrie in einem dreiphasigen System wird mittels der Komponenten Mitsystem, Gegensystem und Nullsystem gekennzeichnet.
- Die im Normalbetrieb angestrebte Symmetrie des Drehstromsystems wird durch unsymmetrische Lasten, Fehler und Betriebsmittel gestört.
- Ein dreiphasiges System wird symmetrisch genannt, wenn die drei Außenleiterspannungen und -ströme gleich groß und gegeneinander um 120° phasenverschoben sind. Wenn eine oder beide Bedingungen nicht erfüllt sind, wird das System als unsymmetrisch bezeichnet. Durch die Berechnung der symmetrischen Komponenten bestehend aus Mitsystem, Gegensystem und Nullsystem ist eine vereinfachte Analyse eines unbalancierten Fehlers in einem Drehstromsystem möglich.
- Unsymmetrie ist ein Merkmal der Netzqualität für die in internationalen Normen (zum Beispiel EN 50160) Grenzwerte festgelegt wurden.

Mitsystem

$$U_{Mit} = \frac{1}{3} \left| U_{L1,fund} + U_{L2,fund} \cdot e^{j\frac{2\pi}{3}} + U_{L3,fund} \cdot e^{j\frac{4\pi}{3}} \right|$$

Gegensystem

$$U_{Geg} = \frac{1}{3} \left| U_{L1,fund} + U_{L2,fund} \cdot e^{-j\frac{2\pi}{3}} + U_{L3,fund} \cdot e^{-j\frac{4\pi}{3}} \right|$$

Nullsystem

$$U_{Nullsystem} = \frac{1}{3} \left| U_{L1,fund} + U_{L2,fund} + U_{L3,fund} \right|$$

Eine Nullkomponente kann nur dann auftreten, wenn über den Mittelpunktsteiter eine Summenstrom zurückfließen kann.

Spannungsunsymmetrie

$$Unsymmetrie = \frac{U_{Geg}}{U_{Mit}}$$

Unterabweichung U (EN61000-4-30)

$$U_{unter} = \frac{U_{din} - \sqrt{\frac{\sum_{i=1}^n U_{rms-unter,i}^2}{n}}}{U_{din}} [\%]$$

Unterabweichung I

$$I_{unter} = \frac{I_{Nennstrom} - \sqrt{\frac{\sum_{i=1}^n I_{rms-unter,i}^2}{n}}}{I_{Nennstrom}} [\%]$$

K-Faktor

- Der K-Faktor beschreibt den Anstieg der Wirbelstromverluste bei Belastung mit Oberschwingungen. Bei einer sinusförmigen Belastung des Transformators ist der K-Faktor =1. Je größer der K-Faktor ist, desto stärker kann ein Transformator mit Oberschwingungen belastet werden ohne zu überhitzen.

Leistungsfaktor - Power Factor

(arithmetisch)

- Der Leistungsfaktor ist vorzeichenlos.

$$PF_A = \frac{|P|}{S_A}$$

CosPhi - Fundamental Power Factor

- Für die Berechnung des cosphi wird nur der Grundschwingungsanteil verwendet.
- Vorzeichen CosPhi:
 - = für Lieferung von Wirkleistung
 - + = für Bezug von Wirkleistung

$$PF_1 = \cos(\varphi) = \frac{P_1}{S_1}$$

CosPhi Summe

- Vorzeichen CosPhi:
 - = für Lieferung von Wirkleistung
 - + = für Bezug von Wirkleistung

$$\cos(\varphi)_{Sum_3} = \frac{P_{1fund} + P_{2fund} + P_{3fund}}{\sqrt{(P_{1fund} + P_{2fund} + P_{3fund})^2 + (Q_{1fund} + Q_{2fund} + Q_{3fund})^2}}$$

$$\cos(\varphi)_{Sum_4} = \frac{P_{1fund} + P_{2fund} + P_{3fund} + P_{4fund}}{\sqrt{(P_{1fund} + P_{2fund} + P_{3fund} + P_{4fund})^2 + (Q_{1fund} + Q_{2fund} + Q_{3fund} + Q_{4fund})^2}}$$

Phasenwinkel Phi

- Der Phasenwinkel zwischen Strom und Spannung von Außenleiter p wird gemäß DIN EN 61557-12 berechnet und dargestellt.
- Das Vorzeichen des Phasenwinkels entspricht dem Vorzeichen der Blindleistung.

Grundswingungs-Blindleistung

Die Grundswingungs-Blindleistung ist die Blindleistung der Grundswingung und wird über die Fourieranalyse (FFT) berechnet. Spannung und Strom müssen nicht sinusförmig sein. Alle im Gerät berechneten Blindleistungen sind Grundswingungs-Blindleistungen.

Vorzeichen der Blindleistung

- Vorzeichen $Q = +1$ für φ_p im Bereich $0^\circ \dots 180^\circ$ (induktiv)
- Vorzeichen $Q = -1$ für φ_p im Bereich $180^\circ \dots 360^\circ$ (kapazitiv)

$$\text{Vorzeichen } Q(\varphi_p) = +1 \text{ falls } \varphi_p \in [0^\circ - 180^\circ]$$

$$\text{Vorzeichen } Q(\varphi_p) = -1 \text{ falls } \varphi_p \in [180^\circ - 360^\circ]$$

Blindleistung für Außenleiter p

- Blindleistung der Grundswingung.

$$Q_{fundp} = \text{Vorzeichen } Q(\varphi_p) \cdot \sqrt{S_{fundp}^2 - P_{fundp}^2}$$

Gesamt-Blindleistung

- Blindleistungen der Grundswingung.

$$Q_V = Q_1 + Q_2 + Q_3$$

Verzerrungs-Blindleistung

- Die Verzerrungs-Blindleistung ist die Blindleistung aller Oberschwingungen und wird über die Fourieranalyse (FFT) berechnet.

$$D = \sqrt{S^2 - P^2 - Q_{fund}^2}$$

- Die Scheinleistung S enthält die Grundswingung und alle Oberschwingungsanteile bis zur M-ten Oberschwingung.
- Die Wirkleistung P enthält die Grundswingung und alle Oberschwingungsanteile bis zur M-ten Oberschwingung.
- $M = 50$ (UMG605, UMG605-PRO, UMG511, UMG512-PRO)

Blindarbeit pro Phase

$$E_{r_{L1}} = \int Q_{L1}(t) \cdot \Delta t$$

Blindarbeit pro Phase, induktiv

$$E_{r(ind)_{L1}} = \int Q_{L1}(t) \cdot \Delta t \quad \text{für } Q_{L1}(t) > 0$$

Blindarbeit pro Phase, kapazitiv

$$E_{r(cap)_{L1}} = \int Q_{L1}(t) \cdot \Delta t \quad \text{für } Q_{L1}(t) < 0$$

Blindarbeit, Summe L1-L3

$$E_{r_{L1,L2,L3}} = \int (Q_{L1}(t) + Q_{L2}(t) + Q_{L3}(t)) \cdot \Delta t$$

Blindarbeit, Summe L1-L3, induktiv

$$E_{r(ind)_{L1,L2,L3}} = \int (Q_{L1}(t) + Q_{L2}(t) + Q_{L3}(t)) \cdot \Delta t$$

für $(Q_{L1}(t) + Q_{L2}(t) + Q_{L3}(t)) > 0$

Blindarbeit, Summe L1-L3, kapazitiv

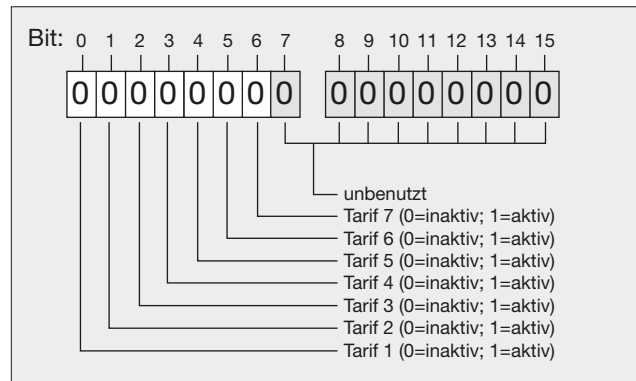
$$E_{r(cap)_{L1,L2,L3}} = \int (Q_{L1}(t) + Q_{L2}(t) + Q_{L3}(t)) \cdot \Delta t$$

für $(Q_{L1}(t) + Q_{L2}(t) + Q_{L3}(t)) < 0$

Tarif-Umschaltung

Die Tarif-Umschaltung der Arbeitszähler erfolgt über die Adressen 618 bis 624.

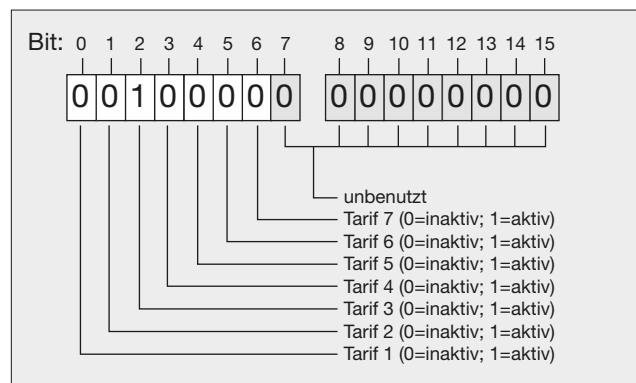
- Durch das Setzen bzw. Löschen der Bits 0 bis 6 wählen Sie einen der Tarife 1 bis 7 aus.
- Bit 7 bis 15 dürfen nicht gesetzt werden und müssen immer 0 sein.
- Tarif 0 ist immer aktiv und kann nicht abgeschaltet werden.
- Nur das niederwertigste gesetzte Bit wird ausgewertet.



Beispiel:

Tarif 3 für „Wirkarbeit“ und „Wirkarbeit bezogen“ aktivieren.

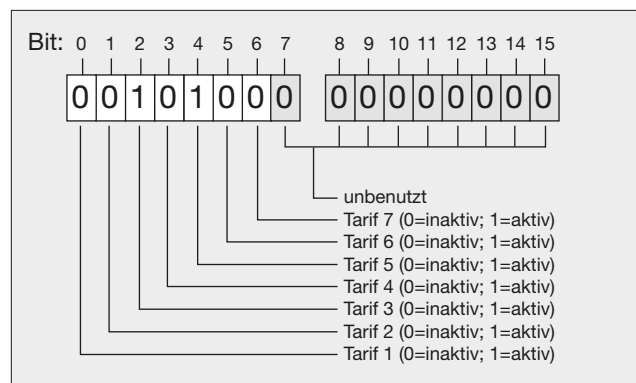
- Bit 2 auf Adresse 618 setzen.
Die Zähler für „Wirkarbeit“ sind aktiv.
- Bit 2 auf Adresse 619 setzen.
Die Zähler für „Wirkarbeit bezogen“ sind aktiv.



Beispiel:

Gleichzeitiges Setzen von Tarif 3 und Tarif 5 auf einer Adresse.

- Bit 2 und Bit 4 auf Adresse 618 setzen.
Da nur das niederwertigste gesetzte Bit ausgewertet wird, ist nur Tarif 3 aktiv; Bit 4 für Tarif 5 wird ignoriert.
- Die Zähler für „Wirkarbeit“ (Tarif 3) sind aktiv.



Parameter I

Diese Werte lassen sich auch am Gerät über die Tasten einstellen.

| Adresse | Format | RD/WR | Einheit | Bemerkung | Einstellbereich | Voreinstellung |
|---------|--------|-------|---------|---|--|-------------------|
| 0 | SHORT | RD/WR | - | Geräteadresse | 0..255 ⁽¹⁾ | 1 |
| 1 | SHORT | RD/WR | kbps | Baudrate | 0=9.6kbps 1=19.2kbps 2=38.4kbps 3=57.6kbps 4=115.2kbps | 4 |
| 2 | SHORT | RD/WR | - | Modbus Master (Slave=0, Master=1) | 0,1 | 0 |
| 3 | SHORT | RD/WR | - | Stoppbits - 0=1 Bit, keine Parität 1=2 Bits, keine Parität 2=1 Bit, gerade Parität 3=1 Bit, ungerade Parität | 0 .. 3 | 0 |
| 10 | FLOAT | RD/WR | A | Stromwandler I1, primär | 0..1000000 ⁽²⁾ | 5 |
| 12 | FLOAT | RD/WR | A | Stromwandler I1, sek. | 1..5 | 5 |
| 14 | FLOAT | RD/WR | V | Spannungswandler V1, prim. | 0..1000000 ⁽²⁾ | 400 |
| 16 | FLOAT | RD/WR | V | Spannungswandler V1, sek. | 100, 400 | 400 |
| 18 | FLOAT | RD/WR | A | Stromwandler I2, primär | 0..1000000 ⁽²⁾ | 5 |
| 20 | FLOAT | RD/WR | A | Stromwandler I2, sek. | 1..5 | 5 |
| 22 | FLOAT | RD/WR | V | Spannungswandler V2, prim. | 1..1000000 | 400 |
| 24 | FLOAT | RD/WR | V | Spannungswandler V2, sek. | 100, 400 | 400 |
| 26 | FLOAT | RD/WR | A | Stromwandler I3, primär | 1..1000000 | 5 |
| 28 | FLOAT | RD/WR | A | Stromwandler I3, sek. | 1..5 | 5 |
| 30 | FLOAT | RD/WR | V | Spannungswandler V3, prim. | 1..1000000 | 400 |
| 32 | FLOAT | RD/WR | V | Spannungswandler V3, sek. | 100, 400 | 400 |
| 34 | SHORT | RD/WR | Hz | Frequenzermittlung 0=Auto, 45..65=Hz | 0, 45..65 | 0 |
| 35 | SHORT | RD/WR | - | Kontrast der Anzeige 0 (niedrig), 9 (hoch) | 0 .. 9 | 5 |
| 36 | SHORT | RD/WR | - | Hintergrundbeleuchtung 0 (dunkel), 9 (hell) | 0 .. 9 | 6 |
| 37 | SHORT | RD/WR | - | Anzeigen-Profil 0 .. 2 = vorbelegte Anzeigen-Profile 3 = frei wählbares Anzeigen-Profil | 0 .. 3 | 0 |
| 38 | SHORT | RD/WR | - | Anzeigen-Wechsel-Profil 0 .. 2 = vorbelegte Anzeigen-Wechsel-Profile 3 = frei wählbares Anzeigen-Wechsel-Profil | 0 .. 3 | 0 |
| 39 | SHORT | RD/WR | Sek. | Wechselzeit | 0 .. 60 | 0 |
| 40 | SHORT | RD/WR | - | Mittelungszeit, I | 0 .. 8* | 6 |
| 41 | SHORT | RD/WR | - | Mittelungszeit, P | 0 .. 8* | 6 |
| 42 | SHORT | RD/WR | - | Mittelungszeit, U | 0 .. 8* | 6 |
| 43 | FLOAT | RD/WR | A | Nennstrom TDD | 0 .. 1000000 | 150 |
| 45 | INT | RD/WR | mA | Ansprechschwelle, Strommessung L1..L3 | 0 .. 200 | 5 |
| 50 | SHORT | RD/WR | - | Passwort | 0 .. 999 | 0 (kein Passwort) |
| 100 | SHORT | RD/WR | - | Adresse des Messwertes, Digitalausgang 1 | 0 .. 32000 | 874 |
| 101 | SHORT | RD/WR | - | Adresse des Messwertes, Digitalausgang 2 | 0 .. 32000 | 882 |
| 102 | FLOAT | RD/WR | - | Impulswertigkeit, Ausgang 1 | -1000000 .. + 1000000 | 1000 |
| 104 | FLOAT | RD/WR | - | Impulswertigkeit, Ausgang 2 | -1000000 .. + 1000000 | 1000 |
| 106 | SHORT | RD/WR | - | Mindestimpulslänge, Digitalausg. 1/2 | 1..1000 | 5 |
| 145 | SHORT | RD/WR | - | „Display-Blinken“ Bit 1 = 1/0: aktiv/deaktiv für Vergleichergruppen-Ausgang 1 Bit 2 = 1/0: aktiv/deaktiv für Vergleichergruppen-Ausgang 2 Bit 3 = 1/0: aktiv/deaktiv für Vergleichergruppen-Ausgang 3 Bit 4 = 1/0: aktiv/deaktiv für Vergleichergruppen-Ausgang 4 Bit 5 = 1/0: aktiv/deaktiv für Vergleichergruppen-Ausgang 5 | 0-31 | 0 |

| Adresse | Format | RD/WR | Einheit | Bemerkung | Einstellbereich | Voreinstellung |
|---------|--------|-------|---------|---|--------------------|----------------|
| 206 | SHORT | RD/WR | Sek. | Periodendauer „Schleppzeiger“ | 300 .. 3600 | 900 |
| 207 | SHORT | RD/WR | Sek. | Fangzeit „Schleppzeiger“ | 1 .. 20 | 10 |
| 208 | SHORT | RD/WR | - | Konfiguration Digitaleingang 1 0= interne Synchronisation 1= externe Synchronisation (Schließer) 2= externe Synchronisation (Öffner) | 0 .. 2 | 0 |
| 300 | String | RD/WR | - | Anzeigen-Profil | GridVis | 0 |
| 400 | String | RD/WR | - | Anzeigen-Wechsel-Profil | GridVis | 0 |
| 500 | SHORT | RD/WR | - | Anschlußkonfiguration, I L1 | -3 .. 3 | 1 |
| 501 | SHORT | RD/WR | - | Anschlußkonfiguration, I L2 | -3 .. 3 | 2 |
| 502 | SHORT | RD/WR | - | Anschlußkonfiguration, I L3 -1 = Messung in Phase L1, Anschluß (s1-s2) vertauscht. -2 = Messung in Phase L2, Anschluß (s1-s2) vertauscht. -3 = Messung in Phase L3, Anschluß (s1-s2) vertauscht. 0 = Kanal abgeschaltet 1 = Messung in Phase L1 2 = Messung in Phase L2 3 = Messung in Phase L3 | -3 .. 3 | 3 |
| 503 | SHORT | RD/WR | - | Anschlußkonfiguration, U L1 | 0 .. 3 | 1 |
| 504 | SHORT | RD/WR | - | Anschlußkonfiguration, U L2 | 0 .. 3 | 2 |
| 505 | SHORT | RD/WR | - | Anschlußkonfiguration, U L3 0 = Kanal abgeschaltet 1 = Messung in Phase L1 2 = Messung in Phase L2 3 = Messung in Phase L3 | 0 .. 3 | 3 |
| 506 | SHORT | RD/WR | - | Min- und Maxwerte löschen | 0..1 | 0 |
| 507 | SHORT | RD/WR | - | Energiewerte löschen | 0..1 | 0 |
| 508 | SHORT | RD/WR | - | EEPROM beschreiben erzwingen. | 0..1 | 0 |
| 509 | SHORT | RD/WR | - | Anschlußbild Spannung | 0..8 ¹⁾ | 0 |
| 510 | SHORT | RD/WR | - | Anschlußbild Strom | 0..8 | 0 |
| 511 | SHORT | RD/WR | - | Relevante Spannung, Anzeige von THD und FFT im Display 0=THD L-N, FFT L-N 1=THD L-L, FFT L-L | 0..1 | 0 |
| 512 | SHORT | RD/WR | - | Nur für den internen Gebrauch | | |
| 513 | SHORT | RD/WR | - | Nur für den internen Gebrauch | | |
| 514 | SHORT | RD/WR | - | Nur für den internen Gebrauch | | |
| 515 | SHORT | RD/WR | - | Nur für den internen Gebrauch | | |
| 516 | SHORT | RD/WR | - | Nur für den internen Gebrauch | | |
| 517 | SHORT | RD/WR | - | Nur für den internen Gebrauch | | |
| 600 | UINT | RD | - | Messbereichüberschreitung | 0, 0xFFFFFFFF | |
| 618 | SHORT | RD/WR | - | Tarif, Wirkarbeit* | 0..127 | 0 |
| 619 | SHORT | RD/WR | - | Tarif, Wirkarbeit bezogen* | 0..127 | 0 |
| 620 | SHORT | RD/WR | - | Tarif, Wirkarbeit geliefert* | 0..127 | 0 |
| 621 | SHORT | RD/WR | - | Tarif, Blindarbeit* | 0..127 | 0 |
| 622 | SHORT | RD/WR | - | Tarif, Blindarbeit induktiv* | 0..127 | 0 |
| 623 | SHORT | RD/WR | - | Tarif, Blindarbeit kapazitiv* | 0..127 | 0 |
| 624 | SHORT | RD/WR | - | Tarif, Scheinarbeit* | 0..127 | 0 |
| 750 | SHORT | RD | - | Software Release | | |
| 754 | INT | RD | - | Seriennummer | | |
| 756 | INT | RD | - | Produktionsnummer | | |
| 761 | USHORT | RD | - | Modulnummer (0=kein Modul, 1=Profibus, 2=CBM, 3=Ethernet) | | |

* Die Tarif-Einstellung (Tarif 1-7) erfolgt bitweise (Bits 0-6); Tarif 0 ist immer aktiv.

¹⁾ Die Einstellung 8 entspricht der Einstellung 0.

Parameter II

| Adresse | Format | RD/WR | Einheit | Bemerkung | Einstellbereich | Voreinstellung |
|---------|--------|--------|---------|---|---------------------------|----------------|
| 3512 | FLOAT | RD | s | System uptime | | |
| 10080 | SHORT | RD | | Status digital output 1 0=not active, 1=active | 0,1 | |
| 10081 | SHORT | RD | | Status digital output 2 0=not active, 1=active | 0,1 | |
| 10082 | SHORT | RD | | Status digital output 3 0=not active, 1=active | 0,1 | |
| 10083 | SHORT | RD | | Status digital output 4 0=not active, 1=active | 0,1 | |
| 10084 | SHORT | RD | | Status digital output 5 0=not active, 1=active | 0,1 | |
| 10109 | SHORT | RD | | Status digital input 0=not active, 1=aktive | 0,1 | |
| 10110 | SHORT | RD | | Status digital input 0=not active, 1=aktive | 0,1 | |
| 10111 | SHORT | RD | | Status digital input 0=not active, 1=aktive | 0,1 | |
| 10112 | INT | RD | | Overcurrent flag i4 | | |
| 10114 | SHORT | RD | | Digital inputs, bit coded | | |
| 11619 | FLOAT | RD | Ohm | Resistance temp input 1 | | |
| 11621 | FLOAT | RD | Ohm | Resistance temp input 2 | | |
| 20002 | INT | RD | s | Systemtime in sec (ro) | | |
| 20004 | INT | RD/WR | s | Systemtime in sec | | |
| 20008 | FLOAT | RD/WR | A | Current transformer I4, primary | 0..1000000 ^(*) | 5 |
| 20010 | FLOAT | RD/WR | A | Current transformer I4, secondary | 1..5 | 5 |
| 20012 | FLOAT | RD/WR | A | Current transformer I5, primary | 0..1000000 ^(*) | 5 |
| 20014 | FLOAT | RD/WR | A | Current transformer I5, secondary | 1..5 | 5 |
| 20016 | FLOAT | RD/WR | A | Current transformer I6, primary | 0..1000000 ^(*) | 5 |
| 20018 | FLOAT | RD/WR | A | Current transformer I6, secondary | 1..5 | 5 |
| 20020 | DATA | | 212 | Record 1 configuration | | |
| 20126 | DATA | | 212 | Record 2 configuration | | |
| 20232 | DATA | | 212 | Record 3 configuration | | |
| 20338 | DATA | | 212 | Record 4 configuration | | |
| 20444 | FLOAT | RD/WR | | Multiplication factor for s0 input 1 frequency | | |
| 20446 | FLOAT | RD/WR | | Multiplication factor for s0 input 2 frequency | | |
| 20448 | FLOAT | RD/WR] | | Multiplication factor for s0 input 3 frequency | | |
| 20450 | STRING | RD/WR | 32 | Name of S0 input type IN1 | | |
| 20466 | STRING | RD/WR | 32 | Name of S0 input type IN2 | | |
| 20482 | STRING | RD/WR | 32 | Name of S0 input type IN3 | | |
| 20498 | STRING | RD/WR | 32 | Name of S0 input type IN1 | | |
| 20514 | STRING | RD/WR | 32 | Name of S0 input type IN2 | | |
| 20530 | STRING | RD/WR | 32 | Name of S0 input type IN3 | | |
| 20546 | STRING | RD/WR | 100 | Name of S0 input type IN1 | | |
| 20596 | STRING | RD/WR | 100 | Name of S0 input type IN2 | | |
| 20646 | STRING | RD/WR | 100 | Name of S0 input type IN3 | | |
| 20696 | SHORT | RD | | Pulse out reference address | 0 .. 32000 | 874 |
| 20697 | SHORT | RD | | Pulse out reference address | 0 .. 32000 | 882 |
| 20698 | SHORT | RD | | Pulse out reference address | 0 .. 32000 | |
| 20699 | SHORT | RD | | Pulse out reference address | 0 .. 32000 | |
| 20700 | SHORT | RD | | Pulse out reference address | 0 .. 32000 | |
| 20701 | FLOAT | RD | | Pulse generation factor (freq=val/fac) | -1000000 .. + 1000000 | 1000 |
| 20703 | FLOAT | RD | | Pulse generation factor (freq=val/fac) | -1000000 .. + 1000000 | 1000 |
| 20705 | FLOAT | RD | | Pulse generation factor (freq=val/fac) | -1000000 .. + 1000000 | |
| 20707 | FLOAT | RD | | Pulse generation factor (freq=val/fac) | -1000000 .. + 1000000 | |
| 20709 | FLOAT | RD | | Pulse generation factor (freq=val/fac) | -1000000 .. + 1000000 | |
| 21147 | BYTE | RD/WR | | Configuration tariff, active energy source [0] | | |
| 21148 | BYTE | RD/WR | | Configuration tariff, active energy source [1] | | |
| 21149 | BYTE | RD/WR | | Configuration tariff, active energy, source [2] | | |

| Adresse | Format | RD/WR | Einheit | Bemerkung | Einstellbereich | Voreinstellung |
|---------|--------|-------|---------|--|-----------------|----------------|
| 21150 | BYTE | RD/WR | | Configuration tariff, active energy, source [3] | | |
| 21151 | BYTE | RD/WR | | Configuration tariff, active energy, source [4] | | |
| 21152 | BYTE | RD/WR | | Configuration tariff, active energy, source [5] | | |
| 21153 | BYTE | RD/WR | | Configuration tariff, active energy, source [6] | | |
| 21154 | BYTE | RD/WR | | Configuration tariff, active energy, obtained, source [0] | | |
| 21155 | BYTE | RD/WR | | Configuration tariff, active energy, obtained, source [1] | | |
| 21156 | BYTE | RD/WR | | Configuration tariff, active energy, obtained, source [2] | | |
| 21157 | BYTE | RD/WR | | Configuration tariff, active energy, obtained, source [3] | | |
| 21158 | BYTE | RD/WR | | Configuration tariff, active energy, obtained, source [4] | | |
| 21159 | BYTE | RD/WR | | Configuration tariff, active energy, obtained, source [5] | | |
| 21160 | BYTE | RD/WR | | Configuration tariff, active energy, obtained, source [6] | | |
| 21161 | BYTE | RD/WR | | Configuration tariff, active energy, supplied, source [0] | | |
| 21162 | BYTE | RD/WR | | Configuration tariff, active energy, supplied, source [1] | | |
| 21163 | BYTE | RD/WR | | Configuration tariff, active energy, supplied, source [2] | | |
| 21164 | BYTE | RD/WR | | Configuration tariff, active energy, supplied, source [3] | | |
| 21165 | BYTE | RD/WR | | Configuration tariff, active energy, supplied, source [4] | | |
| 21166 | BYTE | RD/WR | | Configuration tariff, active energy, supplied, source [5] | | |
| 21167 | BYTE | RD/WR | | Configuration tariff, active energy, supplied, source [6] | | |
| 21168 | BYTE | RD/WR | | Configuration tariff, reactive energy, source [0] | | |
| 21169 | BYTE | RD/WR | | Configuration tariff, reactive energy, source [1] | | |
| 21170 | BYTE | RD/WR | | Configuration tariff, reactive energy, source [2] | | |
| 21171 | BYTE | RD/WR | | Configuration tariff, reactive energy, source [3] | | |
| 21172 | BYTE | RD/WR | | Configuration tariff, reactive energy, source [4] | | |
| 21173 | BYTE | RD/WR | | Configuration tariff, reactive energy, source [5] | | |
| 21174 | BYTE | RD/WR | | Configuration tariff, reactive energy, source [6] | | |
| 21175 | BYTE | RD/WR | | Configuration tariff, reactive energy, inductive, source [0] | | |
| 21176 | BYTE | RD/WR | | Configuration tariff, reactive energy, inductive, source [1] | | |
| 21177 | BYTE | RD/WR | | Configuration tariff, reactive energy, inductive, source [2] | | |
| 21178 | BYTE | RD/WR | | Configuration tariff, reactive energy, inductive, source [3] | | |
| 21179 | BYTE | RD/WR | | Configuration tariff, reactive energy, inductive, source [4] | | |
| 21180 | BYTE | RD/WR | | Configuration tariff, reactive energy, inductive, source [5] | | |
| 21181 | BYTE | RD/WR | | Configuration tariff, reactive energy, inductive, source [6] | | |
| 21182 | BYTE | RD/WR | | Configuration tariff, reactive energy, capacitive, source [0] | | |
| 21183 | BYTE | RD/WR | | Configuration tariff, reactive energy, capacitive, source [1] | | |
| 21184 | BYTE | RD/WR | | Configuration tariff, reactive energy, capacitive, source [2] | | |
| 21185 | BYTE | RD/WR | | Configuration tariff, reactive energy, capacitive, source [3] | | |
| 21186 | BYTE | RD/WR | | Configuration tariff, reactive energy, capacitive, source [4] | | |
| 21187 | BYTE | RD/WR | | Configuration tariff, reactive energy, capacitive, source [5] | | |
| 21188 | BYTE | RD/WR | | Configuration tariff, reactive energy, capacitive, source [6] | | |
| 21189 | BYTE | RD/WR | | Configuration tariff, apparent energy, source [0] | | |
| 21190 | BYTE | RD/WR | | Configuration tariff, apparent energy, source [1] | | |
| 21191 | BYTE | RD/WR | | Configuration tariff, apparent energy, source [2] | | |
| 21192 | BYTE | RD/WR | | Configuration tariff, apparent energy, source [3] | | |
| 21193 | BYTE | RD/WR | | Configuration tariff, apparent energy, source [4] | | |
| 21194 | BYTE | RD/WR | | Configuration tariff, apparent energy, source [5] | | |
| 21195 | BYTE | RD/WR | | Configuration tariff, apparent energy, source [6] | | |
| 21132 | SHORT | RD/WR | | Dig out type, Source selection for digital output 1 0 = Comparator 3 1 = Pulse output (S0) 2 = External source - Modbus 4 = External source - Ethernet | 0 .. 4 | 1 |
| 21133 | SHORT | RD/WR | | Dig out type, Source selection for digital output 2 0 = Comparator 3 1 = Pulse output (S0) 2 = External source - Modbus 4 = External source - Ethernet | 0 .. 4 | 1 |
| 21134 | SHORT | RD/WR | | Dig out type, Source selection for digital output 3 0 = Comparator 3 1 = Pulse output (S0) 2 = External source - Modbus 4 = External source - Ethernet | 0 .. 4 | 0 |
| 21135 | SHORT | RD/WR | | Dig out type, Source selection for digital output 4 0 = Comparator 3 | 0 .. 4 | 0 |

| Adresse | Format | RD/WR | Einheit | Bemerkung | Einstellbereich | Voreinstellung |
|---------|--------|-------|---------|--|-----------------|----------------|
| | | | | 1 = Pulse output (S0) 2 = External source - Modbus 4 = External source - Ethernet | | |
| 21136 | SHORT | RD/WR | | Dig out type, Source selection for digital output 5 0 = Comparator 3 1 = Pulse output (S0) 2 = External source - Modbus 4 = External source - Ethernet | 0 .. 4 | 0 |
| 21137 | SHORT | RD/WR | | Dig. Output 1 inverted | 0,1 | 0 |
| 21138 | SHORT | RD/WR | | Dig. Output 2 inverted | 0,1 | 0 |
| 21139 | SHORT | RD/WR | | Dig. Output 3 inverted | 0,1 | 0 |
| 21140 | SHORT | RD/WR | | Dig. Output 4 inverted | 0,1 | 0 |
| 21141 | SHORT | RD/WR | | Dig. Output 5 inverted | 0,1 | 0 |
| 21142 | SHORT | RD/WR | | Output 1, Modbus remote, address | 0,1 | 0 |
| 21143 | SHORT | RD/WR | | Output 2, Modbus remote, address | 0,1 | 0 |
| 21144 | SHORT | RD/WR | | Output 3, Modbus remote, address | 0,1 | 0 |
| 21145 | SHORT | RD/WR | | Output 4, Modbus remote, address | 0,1 | 0 |
| 21146 | SHORT | RD/WR | | Output 5, Modbus remote, address | 0,1 | 0 |
| 21206 | SHORT | RD | | Day (1...31) | | |
| 21207 | SHORT | RD | | Month (1=Jan,...12=Dec.) | | |
| 21208 | SHORT | RD | | Year (0...99) | | |
| 21209 | SHORT | RD | h | Hour (0...24) | | |
| 21210 | SHORT | RD | min | Minute (0...59) | | |
| 21211 | SHORT | RD | s | Second (0...59) | | |
| 21212 | SHORT | RD | | Weekday (0=Su,...6=Sa) | | |
| 21264 | SHORT | RD/WR | | RCM: CT connection monitoring (I5, AC only) 0=disable, 1=enable | 0,1 | 0 |
| 21265 | SHORT | RD/WR | | RCM: CT connection monitoring (I6, AC only) 0=disable, 1=enable | 0,1 | 0 |

Adressenliste

Häufig benötigte Messwerte

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index |
|---------|--------|-------|---------|--|-------|
| 19000 | FLOAT | RD | V | Voltage L1-N | [0] |
| 19002 | FLOAT | RD | V | Voltage L2-N | [1] |
| 19004 | FLOAT | RD | V | Voltage L3-N | [2] |
| 19006 | FLOAT | RD | V | Voltage L1-L2 | [0] |
| 19008 | FLOAT | RD | V | Voltage L2-L3 | [1] |
| 19010 | FLOAT | RD | V | Voltage L1-L3 | [2] |
| 19012 | FLOAT | RD | A | Current I L1 | [0] |
| 19014 | FLOAT | RD | A | Current I L2 | [1] |
| 19016 | FLOAT | RD | A | Current I L3 | [2] |
| 19018 | FLOAT | RD | A | Vector sum; IN=I1+I2+I3 | [3] |
| 19020 | FLOAT | RD | W | Real power P1 L1N | [0] |
| 19022 | FLOAT | RD | W | Real power P2 L2N | [1] |
| 19024 | FLOAT | RD | W | Real power P3 L3N | [2] |
| 19026 | FLOAT | RD | W | Sum; Psum3=P1+P2+P3 | [3] |
| 19028 | FLOAT | RD | VA | Apparent power S1 L1N | [0] |
| 19030 | FLOAT | RD | VA | Apparent power S2 L2N | [1] |
| 19032 | FLOAT | RD | VA | Apparent power S3 L3N | [2] |
| 19034 | FLOAT | RD | VA | Sum; Ssum3=S1+S2+S3 | [3] |
| 19036 | FLOAT | RD | var | Fund. reactive power Q1 L1N | [0] |
| 19038 | FLOAT | RD | var | Fund. reactive power Q2 L2N | [1] |
| 19040 | FLOAT | RD | var | Fund. reactive power Q3 L3N | [2] |
| 19042 | FLOAT | RD | var | Sum; Qsum3=Q1+Q2+Q3 | [3] |
| 19044 | FLOAT | RD | - | CosPhi; UL1 IL1 (fundamental comp.) | [0] |
| 19046 | FLOAT | RD | - | CosPhi; UL2 IL2 (fundamental comp.) | [1] |
| 19048 | FLOAT | RD | - | CosPhi; UL3 IL3 (fundamental comp.) | [2] |
| 19050 | FLOAT | RD | Hz | Measured frequency | |
| 19052 | FLOAT | RD | - | Rotation field; 1=right, 0=none, -1=left | |
| 19054 | FLOAT | RD | Wh | Real energy L1 | [0] |
| 19056 | FLOAT | RD | Wh | Real energy L2 | [0] |
| 19058 | FLOAT | RD | Wh | Real energy L3 | [0] |
| 19060 | FLOAT | RD | Wh | Real energy L1..L3 | [0] |
| 19062 | FLOAT | RD | Wh | Real energy L1, consumed | [0] |
| 19064 | FLOAT | RD | Wh | Real energy L2, consumed | [0] |
| 19066 | FLOAT | RD | Wh | Real energy L3, consumed | [0] |
| 19068 | FLOAT | RD | Wh | Real energy L1..L3, consumed | [0] |
| 19070 | FLOAT | RD | Wh | Real energy L1, delivered | [0] |
| 19072 | FLOAT | RD | Wh | Real energy L2, delivered | [0] |
| 19074 | FLOAT | RD | Wh | Real energy L3, delivered | [0] |
| 19076 | FLOAT | RD | Wh | Real energy L1..L3, delivered | [0] |
| 19078 | FLOAT | RD | VAh | Apparent energy L1 | [0] |
| 19080 | FLOAT | RD | VAh | Apparent energy L2 | [0] |
| 19082 | FLOAT | RD | VAh | Apparent energy L3 | [0] |
| 19084 | FLOAT | RD | VAh | Apparent energy L1..L3 | [0] |
| 19086 | FLOAT | RD | varh | Reactive energy L1 | [0] |
| 19088 | FLOAT | RD | varh | Reactive energy L2 | [0] |
| 19090 | FLOAT | RD | varh | Reactive energy L3 | [0] |
| 19092 | FLOAT | RD | varh | Reactive energy L1..L3 | [0] |
| 19094 | FLOAT | RD | varh | Reactive energy ind. L1 | [0] |
| 19096 | FLOAT | RD | varh | Reactive energy ind. L2 | [0] |
| 19098 | FLOAT | RD | varh | Reactive energy ind. L3 | [0] |
| 19100 | FLOAT | RD | varh | Reactive energy ind. L1..L3 | [0] |
| 19102 | FLOAT | RD | varh | Reactive energy cap. L1 | [0] |
| 19104 | FLOAT | RD | varh | Reactive energy cap. L2 | [0] |
| 19106 | FLOAT | RD | varh | Reactive energy cap. L3 | [0] |
| 19108 | FLOAT | RD | varh | Reactive energy cap. L1..L3 | [0] |
| 19110 | FLOAT | RD | % | Harmonic, THD U L1-N | [0] |
| 19112 | FLOAT | RD | % | Harmonic, THD U L2-N | [1] |
| 19114 | FLOAT | RD | % | Harmonic, THD U L3-N | [2] |
| 19116 | FLOAT | RD | % | Harmonic, THD I L1 | [0] |
| 19118 | FLOAT | RD | % | Harmonic, THD I L2 | [1] |
| 19120 | FLOAT | RD | % | Harmonic, THD I L3 | [2] |

Messwerte, Typ Float

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index |
|---------|--------|-------|---------|--|-------|
| 800 | FLOAT | RD | Hz | Measured frequency | |
| 802 | FLOAT | RD | - | Voltage, zero sequence | |
| 804 | FLOAT | RD | - | Voltage, negative sequence | |
| 806 | FLOAT | RD | - | Voltage, positive sequence | |
| 808 | FLOAT | RD | V | Voltage U1 L1-N | [0] |
| 810 | FLOAT | RD | V | Voltage U2 L2-N | [1] |
| 812 | FLOAT | RD | V | Voltage U3 L3-N | [2] |
| 814 | FLOAT | RD | V | Voltage U1 L1-L2 | [0] |
| 816 | FLOAT | RD | V | Voltage U2 L2-L3 | [1] |
| 818 | FLOAT | RD | V | Voltage U3 L3-L1 | [2] |
| 820 | FLOAT | RD | - | Fund. power factor, CosPhi; ULN, IL1 | [0] |
| 822 | FLOAT | RD | - | Fund. power factor, CosPhi; ULN, IL2 | [1] |
| 824 | FLOAT | RD | - | Fund. power factor, CosPhi; ULN, IL3 | [2] |
| 826 | FLOAT | RD | - | Sum; CosPhisum3=P0sum3/Ssum3 | [3] |
| 828 | FLOAT | RD | - | Power factor; UL1N, IL1 | [0] |
| 830 | FLOAT | RD | - | Power factor; UL2N, IL2 | [1] |
| 832 | FLOAT | RD | - | Power factor; UL3N, IL3 | [2] |
| 834 | FLOAT | RD | - | Sum; Power factor sum3=Psum3/Ssum3 | [3] |
| 836 | FLOAT | RD | % | THD, U L1N, bezogen auf U0 L1 | [0] |
| 838 | FLOAT | RD | % | THD, U L2N, bezogen auf U0 L2 | [1] |
| 840 | FLOAT | RD | % | THD, U L3N, bezogen auf U0 L3 | [2] |
| 842 | FLOAT | RD | % | THD, U L1L2, bezogen auf U0 L1L2 | [0] |
| 844 | FLOAT | RD | % | THD, U L2L3, bezogen auf U0 L2L3 | [1] |
| 846 | FLOAT | RD | % | THD, U L3L1, bezogen auf U0 L3L1 | [2] |
| 848 | FLOAT | RD | V | Voltage, real part U1 L1N | [0] |
| 850 | FLOAT | RD | V | Voltage, real part U2 L2N | [1] |
| 852 | FLOAT | RD | V | Voltage, real part U3 L3N | [2] |
| 854 | FLOAT | RD | V | Voltage, imaginary part U L1N | [0] |
| 856 | FLOAT | RD | V | Voltage, imaginary part U L2N | [1] |
| 858 | FLOAT | RD | V | Voltage, imaginary part U L3N | [2] |
| 860 | FLOAT | RD | A | Current I1 L1 | [0] |
| 862 | FLOAT | RD | A | Current I2 L2 | [1] |
| 864 | FLOAT | RD | A | Current I3 L3 | [2] |
| 866 | FLOAT | RD | A | Vector sum; IN=I1+I2+I3 | [3] |
| 868 | FLOAT | RD | W | Real power P1 L1N | [0] |
| 870 | FLOAT | RD | W | Real power P2 L2N | [1] |
| 872 | FLOAT | RD | W | Real power P3 L3N | [2] |
| 874 | FLOAT | RD | W | Sum; Psum3=P1+P2+P3 | [3] |
| 876 | FLOAT | RD | var | Fund. reactive power Q1 L1N | [0] |
| 878 | FLOAT | RD | var | Fund. reactive power Q2 L2N | [1] |
| 880 | FLOAT | RD | var | Fund. reactive power Q3 L3N | [2] |
| 882 | FLOAT | RD | var | Sum; Qsum3=Q1+Q2+Q3 | [3] |
| 884 | FLOAT | RD | VA | Apparent power S1 L1N | [0] |
| 886 | FLOAT | RD | VA | Apparent power S2 L2N | [1] |
| 888 | FLOAT | RD | VA | Apparent power S3 L3N | [2] |
| 890 | FLOAT | RD | VA | Sum; Ssum3=S1+S2+S3 | [3] |
| 892 | FLOAT | RD | W | Fund. real power P01 L1N | [0] |
| 894 | FLOAT | RD | W | Fund. real power P02 L2N | [1] |
| 896 | FLOAT | RD | W | Fund. real power P03 L3N | [2] |
| 898 | FLOAT | RD | W | Sum; P0sum3=P01+P02+P03 | [3] |
| 900 | FLOAT | RD | var | Harmonic distortion power D1 L1N | [0] |
| 902 | FLOAT | RD | var | Harmonic distortion power D2 L2N | [1] |
| 904 | FLOAT | RD | var | Harmonic distortion power D3 L3N | [2] |
| 906 | FLOAT | RD | var | Sum; Dsum3=D1+D2+D3 | [3] |
| 908 | FLOAT | RD | % | THDI1 I1, bezogen auf I01 | [0] |
| 910 | FLOAT | RD | % | THDI2 I2, bezogen auf I02 | [1] |
| 912 | FLOAT | RD | % | THDI3 I3, bezogen auf I03 | [2] |
| 914 | FLOAT | RD | % | TDDI1 I1, bezogen auf den Nenn-Laststrom | [0] |
| 916 | FLOAT | RD | % | TDDI2 I2, bezogen auf den Nenn-Laststrom | [1] |
| 918 | FLOAT | RD | % | TDDI3 I3, bezogen auf den Nenn-Laststrom | [2] |
| 920 | FLOAT | RD | - | Current, zero sequence | |
| 922 | FLOAT | RD | - | Current, negative sequence | |
| 924 | FLOAT | RD | - | Current, positive sequence | |
| 926 | FLOAT | RD | A | Current, real part I L1 | [0] |
| 928 | FLOAT | RD | A | Current, real part I L2 | [1] |
| 930 | FLOAT | RD | A | Current, real part I L3 | [2] |

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index |
|---------|--------|-------|---------|--|-------|
| 932 | FLOAT | RD | A | Current, imaginary part I L | [0] |
| 934 | FLOAT | RD | A | Current, imaginary part I L | [1] |
| 936 | FLOAT | RD | A | Current, imaginary part I L | [2] |
| 938 | FLOAT | RD | - | Rotation field; 1=right, 0=none, -1=left | |
| 10085 | FLOAT | RD | A | Current I L4 | |
| 10087 | FLOAT | RD | % | THD I L4 | |
| 10089 | FLOAT | RD | % | TDD I L4 | |
| 10091 | FLOAT | RD | W | Power s0, input 1 | [0] |
| 10093 | FLOAT | RD | W | Power s0, input 2 | [1] |
| 10095 | FLOAT | RD | W | Power s0, input 3 | [2] |
| 10865 | FLOAT | RD | °C | Temperature input 1 | |
| 10867 | FLOAT | RD | °C | Temperature input 2 | |
| 10869 | FLOAT | RD | % | Diff1 4-20mA | |
| 10871 | FLOAT | RD | % | Diff2 4-20mA | |
| 10873 | FLOAT | RD | A | Current Diff1 | |
| 10875 | FLOAT | RD | A | Current Diff2 | |
| 10877 | FLOAT | RD | % | THD I Diff1 | |
| 10879 | FLOAT | RD | % | THD I Diff2 | |
| 11463 | FLOAT | RD | A | Arithmetic Sum Current (I1+I2+I3) | |
| 11631 | FLOAT | RD | | Crest factor, U L1 | |
| 11633 | FLOAT | RD | | Crest factor, U L2 | |
| 11635 | FLOAT | RD | | Crest factor, U L3 | |
| 11637 | FLOAT | RD | | Crest factor, I L1 | |
| 11639 | FLOAT | RD | | Crest factor, I L2 | |
| 11641 | FLOAT | RD | | Crest factor, I L3 | |

Messwerte, Typ Short

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index | Auflösung |
|---------|--------|-------|---------|------------------------------------|-------|-----------|
| 3526 | SHORT | RD | Hz | measured frequency | | 0,01 |
| 3527 | SHORT | RD | V | Voltage, zero sequence | | 0,1 |
| 3528 | SHORT | RD | V | Voltage, negative sequence | | 0,1 |
| 3529 | SHORT | RD | V | Voltage, positive sequence | | 0,1 |
| 3530 | SHORT | RD | V | Voltage U1 L1-N | [0] | 0,1 |
| 3531 | SHORT | RD | V | Voltage U2 L2-N | [1] | 0,1 |
| 3532 | SHORT | RD | V | Voltage U3 L3-N | [2] | 0,1 |
| 3533 | SHORT | RD | V | Voltage U1 L1-L2 | [0] | 0,1 |
| 3534 | SHORT | RD | V | Voltage U2 L2-L3 | [1] | 0,1 |
| 3535 | SHORT | RD | V | Voltage U3 L3-L1 | [2] | 0,1 |
| 3776 | SHORT | RD | - | Fund. power factor, CosPhi; ULN IL | [0] | 0,01 |
| 3777 | SHORT | RD | - | Fund. power factor, CosPhi; ULN IL | [1] | 0,01 |
| 3778 | SHORT | RD | - | Fund. power factor, CosPhi; ULN IL | [2] | 0,01 |
| 3779 | SHORT | RD | - | Sum; CosPhisum3=P0sum3/Ssum3 | [3] | 0,01 |
| 3780 | SHORT | RD | - | Power factor; ULN IL | [0] | 0,01 |
| 3781 | SHORT | RD | - | Power factor; ULN IL | [1] | 0,01 |
| 3782 | SHORT | RD | - | Power factor; ULN IL | [2] | 0,01 |
| 3783 | SHORT | RD | - | Sum; Power factor sum3=Psum3/Ssum3 | [3] | |
| 3784 | SHORT | RD | % | THD U LN | [0] | 0,1 |
| 3785 | SHORT | RD | % | THD U LN | [1] | 0,1 |
| 3786 | SHORT | RD | % | THD U LN | [2] | 0,1 |
| 3787 | SHORT | RD | % | THD U LL | [0] | 0,1 |
| 3788 | SHORT | RD | % | THD U LL | [1] | 0,1 |
| 3789 | SHORT | RD | % | THD U LL | [2] | 0,1 |
| 3790 | SHORT | RD | V | Voltage, real part U LN | [0] | 0,1 |
| 3791 | SHORT | RD | V | Voltage, real part U LN | [1] | 0,1 |
| 3792 | SHORT | RD | V | Voltage, real part U LN | [2] | 0,1 |
| 3793 | SHORT | RD | V | Voltage, imaginary part U LN | [0] | 0,1 |
| 3794 | SHORT | RD | V | Voltage, imaginary part U LN | [1] | 0,1 |
| 3795 | SHORT | RD | V | Voltage, imaginary part U LN | [2] | 0,1 |
| 3916 | SHORT | RD | mA | Current I L | [0] | 1 |
| 3917 | SHORT | RD | mA | Current I L | [1] | 1 |
| 3918 | SHORT | RD | mA | Current I L | [2] | 1 |
| 3919 | SHORT | RD | mA | Vector sum; IN=I1+I2+I3 | [3] | 1 |
| 3920 | SHORT | RD | W | Real power P LN | [0] | 0,1 |
| 3921 | SHORT | RD | W | Real power P LN | [1] | 0,1 |
| 3922 | SHORT | RD | W | Real power P LN | [2] | 0,1 |
| 3923 | SHORT | RD | W | Sum; Psum3=P1+P2+P3 | [3] | 0,1 |
| 3924 | SHORT | RD | var | Fund. reactive power Q LN | [0] | 0,1 |
| 3925 | SHORT | RD | var | Fund. reactive power Q LN | [1] | 0,1 |
| 3926 | SHORT | RD | var | Fund. reactive power Q LN | [2] | 0,1 |
| 3927 | SHORT | RD | var | Sum; Qsum3=Q1+Q2+Q3 | [3] | 0,1 |
| 3928 | SHORT | RD | VA | Apparent power S LN | [0] | 0,1 |
| 3929 | SHORT | RD | VA | Apparent power S LN | [1] | 0,1 |
| 3930 | SHORT | RD | VA | Apparent power S LN | [2] | 0,1 |
| 3931 | SHORT | RD | VA | Sum; Ssum3=S1+S2+S3 | [3] | 0,1 |
| 3932 | SHORT | RD | W | Fund. real power P0 LN | [0] | 0,1 |
| 3933 | SHORT | RD | W | Fund. real power P0 LN | [1] | 0,1 |
| 3934 | SHORT | RD | W | Fund. real power P0 LN | [2] | 0,1 |
| 3935 | SHORT | RD | W | Sum; CosPhisum3=P0sum3/Ssum3 | [3] | 0,1 |
| 3936 | SHORT | RD | var | Harmonic distortion power D LN | [0] | 0,1 |
| 3937 | SHORT | RD | var | Harmonic distortion power D LN | [1] | 0,1 |
| 3938 | SHORT | RD | var | Harmonic distortion power D LN | [2] | 0,1 |
| 3939 | SHORT | RD | var | Sum; Dsum3=D1+D2+D3 | [3] | 0,1 |
| 3940 | SHORT | RD | % | THD I | [0] | 0,1 |
| 3941 | SHORT | RD | % | THD I | [1] | 0,1 |
| 3942 | SHORT | RD | % | THD I | [2] | 0,1 |
| 3943 | SHORT | RD | % | TDD I | [0] | 0,1 |
| 3944 | SHORT | RD | % | TDD I | [1] | 0,1 |
| 3945 | SHORT | RD | % | TDD I | [2] | 0,1 |
| 3946 | SHORT | RD | mA | Current, zero sequence | | 1 |
| 3947 | SHORT | RD | mA | Current, negative sequence | | 1 |
| 3948 | SHORT | RD | mA | Current, positive sequence | | 1 |
| 3949 | SHORT | RD | mA | Current, real part I L | [0] | 1 |
| 3950 | SHORT | RD | mA | Current, real part I L | [1] | 1 |

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index | Auflösung |
|---------|--------|-------|---------|--|-------|-----------|
| 3951 | SHORT | RD | mA | Current, real part I L | [2] | 1 |
| 3952 | SHORT | RD | mA | Current, imaginary part I L | [0] | 1 |
| 3953 | SHORT | RD | mA | Current, imaginary part I L | [1] | 1 |
| 3954 | SHORT | RD | mA | Current, imaginary part I L | [2] | 1 |
| 3955 | SHORT | RD | - | Rotation field; 1=right, 0=none, -1=left | | - |
| 10723 | SHORT | RD | mA | Current I L4 | | 1 |
| 10724 | SHORT | RD | % | THD I L4 | | 0,1 |
| 10725 | SHORT | RD | % | TDD I L4 | | 0,1 |
| 10726 | SHORT | RD | W | Power S0, input 1 | [0] | 0,1 |
| 10727 | SHORT | RD | W | Power S0, input 2 | [1] | 0,1 |
| 10728 | SHORT | RD | W | Power S0, input 3 | [2] | 0,1 |
| 11273 | SHORT | RD | °C | Temperature input 1 | | 0,1 |
| 11274 | SHORT | RD | °C | Temperature input 2 | | 0,1 |
| 11275 | SHORT | RD | % | Diff1 4-20mA | | 0,1 |
| 11276 | SHORT | RD | % | Diff1 4-20mA | | 0,1 |
| 11277 | SHORT | RD | mA | Current Diff1 | | 1 |
| 11278 | SHORT | RD | mA | Current Diff2 | | 1 |
| 11279 | SHORT | RD | % | THD I Diff1 | | 0,1 |
| 11280 | SHORT | RD | % | THD I Diff2 | | 0,1 |

Mittelwerte, Typ Float

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index |
|---------|--------|-------|---------|---|-------|
| 1720 | FLOAT | RD | Hz | Average, measured frequency | |
| 1722 | FLOAT | RD | V | Average, Voltage, zero sequence | |
| 1724 | FLOAT | RD | V | Average, Voltage, negative sequence | |
| 1726 | FLOAT | RD | V | Average, Voltage, positive sequence | |
| 1728 | FLOAT | RD | V | Average, Voltage LN | [0] |
| 1730 | FLOAT | RD | V | Average, Voltage LN | [1] |
| 1732 | FLOAT | RD | V | Average, Voltage LN | [2] |
| 1734 | FLOAT | RD | V | Average, Voltage LL | [0] |
| 1736 | FLOAT | RD | V | Average, Voltage LL | [1] |
| 1738 | FLOAT | RD | V | Average, Voltage LL | [2] |
| 2220 | FLOAT | RD | - | Average, Fund. power factor, CosPhi; ULN IL | [0] |
| 2222 | FLOAT | RD | - | Average, Fund. power factor, CosPhi; ULN IL | [1] |
| 2224 | FLOAT | RD | - | Average, Fund. power factor, CosPhi; ULN IL | [2] |
| 2226 | FLOAT | RD | - | Average, Sum; CosPhisum3=P0sum3/Ssum3 | [3] |
| 2228 | FLOAT | RD | - | Average, Power factor; ULN IL | [0] |
| 2230 | FLOAT | RD | - | Average, Power factor; ULN IL | [1] |
| 2232 | FLOAT | RD | - | Average, Power factor; ULN IL | [2] |
| 2234 | FLOAT | RD | - | Average, Sum; Power factor sum3=Psum3/Ssum3 | [3] |
| 2236 | FLOAT | RD | V | Average, THD, U LN | [0] |
| 2238 | FLOAT | RD | V | Average, THD, U LN | [1] |
| 2240 | FLOAT | RD | V | Average, THD, U LN | [2] |
| 2242 | FLOAT | RD | V | Average, THD, U LL | [0] |
| 2244 | FLOAT | RD | V | Average, THD, U LL | [1] |
| 2246 | FLOAT | RD | V | Average, THD, U LL | [2] |
| 2248 | FLOAT | RD | V | Average, Voltage, real part U LN | [0] |
| 2250 | FLOAT | RD | V | Average, Voltage, real part U LN | [1] |
| 2252 | FLOAT | RD | V | Average, Voltage, real part U LN | [2] |
| 2254 | FLOAT | RD | V | Average, Voltage, imaginary part U LN | [0] |
| 2256 | FLOAT | RD | V | Average, Voltage, imaginary part U LN | [1] |
| 2258 | FLOAT | RD | V | Average, Voltage, imaginary part U LN | [2] |
| 2500 | FLOAT | RD | A | Average, Current IL | [0] |
| 2502 | FLOAT | RD | A | Average, Current IL | [1] |
| 2504 | FLOAT | RD | A | Average, Current IL | [2] |
| 2506 | FLOAT | RD | A | Average, Vector sum; IN=I1+I2+I3 | [3] |
| 2508 | FLOAT | RD | W | Average, Real power P LN | [0] |
| 2510 | FLOAT | RD | W | Average, Real power PLN | [1] |
| 2512 | FLOAT | RD | W | Average, Real power P LN | [2] |
| 2514 | FLOAT | RD | W | Average, Sum; Psum3=P1+P2+P3 | [3] |
| 2516 | FLOAT | RD | var | Average, Fund. reactive power Q LN | [0] |
| 2518 | FLOAT | RD | var | Average, Fund. reactive power Q LN | [1] |
| 2520 | FLOAT | RD | var | Average, Fund. reactive power Q LN | [2] |
| 2522 | FLOAT | RD | var | Average, Sum; Qsum3=Q1+Q2+Q3 | [3] |
| 2524 | FLOAT | RD | VA | Average, Apparent power S LN | [0] |
| 2526 | FLOAT | RD | VA | Average, Apparent power S LN | [1] |
| 2528 | FLOAT | RD | VA | Average, Apparent power S LN | [2] |
| 2530 | FLOAT | RD | VA | Average, Sum; Ssum3=S1+S2+S3 | [3] |
| 2532 | FLOAT | RD | W | Average, Fund. real power P0 LN | [0] |
| 2534 | FLOAT | RD | W | Average, Fund. real power P0 LN | [1] |
| 2536 | FLOAT | RD | W | Average, Fund. real power P0 LN | [2] |
| 2538 | FLOAT | RD | W | Average, Sum; CosPhisum3=P0sum3/Ssum3 | [3] |
| 2540 | FLOAT | RD | var | Average, Harmonic distortion power D LN | [0] |
| 2542 | FLOAT | RD | var | Average, Harmonic distortion power D LN | [1] |
| 2544 | FLOAT | RD | var | Average, Harmonic distortion power D LN | [2] |
| 2546 | FLOAT | RD | var | Average, Sum; Dsum3=D1+D2+D3 | [3] |
| 2548 | FLOAT | RD | % | Average, THD I | [0] |
| 2550 | FLOAT | RD | % | Average, THD I | [1] |
| 2552 | FLOAT | RD | % | Average, THD I | [2] |
| 2554 | FLOAT | RD | % | Average, TDD I | [0] |
| 2556 | FLOAT | RD | % | Average, TDD I | [1] |
| 2558 | FLOAT | RD | % | Average, TDD I | [2] |
| 2560 | FLOAT | RD | - | Average, Current, zero sequence | |
| 2562 | FLOAT | RD | - | Average, Current, negative sequence | |
| 2564 | FLOAT | RD | - | Average, Current, positive sequence | |
| 2566 | FLOAT | RD | A | Average, Current, real part I L | [0] |
| 2568 | FLOAT | RD | A | Average, Current, real part I L | [1] |
| 2570 | FLOAT | RD | A | Average, Current, real part I L | [2] |

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index |
|---------|--------|-------|---------|--|-------|
| 2572 | FLOAT | RD | A | Average, Current, imaginary part IL | [0] |
| 2574 | FLOAT | RD | A | Average, Current, imaginary part IL | [1] |
| 2576 | FLOAT | RD | A | Average, Current, imaginary part IL | [2] |
| 10097 | FLOAT | RD | W | Average, Power s0, input 1 | [0] |
| 10099 | FLOAT | RD | W | Average, Power s0, input 2 | [1] |
| 10101 | FLOAT | RD | W | Average, Power s0, input 3 | [2] |
| 10115 | FLOAT | RD | A | Average, Current I L4 | |
| 10117 | FLOAT | RD | % | Average, THD I L4 | |
| 10119 | FLOAT | RD | % | Average, TDD I L4 | |
| 11041 | FLOAT | RD | °C | Average, Temperature input 1 | |
| 11043 | FLOAT | RD | °C | Average, Temperature input 2 | |
| 11045 | FLOAT | RD | % | Average, Diff1 4-20mA | |
| 11047 | FLOAT | RD | % | Average, Diff2 4-20mA | |
| 11049 | FLOAT | RD | A | Average, Current Diff1 | |
| 11051 | FLOAT | RD | A | Average, Current Diff2 | |
| 11053 | FLOAT | RD | % | Average, THD I Diff1 | |
| 11055 | FLOAT | RD | % | Average, THD I Diff2 | |
| 11465 | FLOAT | RD | A | Average, Arithmetic Sum Current (I1+I2+I3) | |

Mittelwerte, Typ Short

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index | Auflösung |
|---------|--------|-------|---------|---|-------|-----------|
| 3956 | SHORT | RD | Hz | Average, measured frequency | | 0,01 |
| 3957 | SHORT | RD | V | Average, Voltage, zero sequence | | 0,1 |
| 3958 | SHORT | RD | V | Average, Voltage, negative sequence | | 0,1 |
| 3959 | SHORT | RD | V | Average, Voltage, positive sequence | | 0,1 |
| 3960 | SHORT | RD | V | Average, Voltage L-N | [0] | 0,1 |
| 3961 | SHORT | RD | V | Average, Voltage L-N | [1] | 0,1 |
| 3962 | SHORT | RD | V | Average, Voltage L-N | [2] | 0,1 |
| 3963 | SHORT | RD | V | Average, Voltage L-L | [0] | 0,1 |
| 3964 | SHORT | RD | V | Average, Voltage L-L | [1] | 0,1 |
| 3965 | SHORT | RD | V | Average, Voltage L-L | [2] | 0,1 |
| 4206 | SHORT | RD | - | Average, Fund. power factor, CosPhi; ULN IL | [0] | 0,01 |
| 4207 | SHORT | RD | - | Average, Fund. power factor, CosPhi; ULN IL | [1] | 0,01 |
| 4208 | SHORT | RD | - | Average, Fund. power factor, CosPhi; ULN IL | [2] | 0,01 |
| 4209 | SHORT | RD | - | Average, Sum; CosPhisum3=P0sum3/Ssum3 | [3] | 0,01 |
| 4210 | SHORT | RD | - | Average, Power factor; ULN IL | [0] | 0,01 |
| 4211 | SHORT | RD | - | Average, Power factor; ULN IL | [1] | 0,01 |
| 4212 | SHORT | RD | - | Average, Power factor; ULN IL | [2] | 0,01 |
| 4213 | SHORT | RD | - | Average, Sum; Power factor sum3=Psum3/Ssum3 | [3] | |
| 4214 | SHORT | RD | % | Average, THD U LN | [0] | 0,1 |
| 4215 | SHORT | RD | % | Average, THD U LN | [1] | 0,1 |
| 4216 | SHORT | RD | % | Average, THD U LN | [2] | 0,1 |
| 4217 | SHORT | RD | % | Average, THD U LL | [0] | 0,1 |
| 4218 | SHORT | RD | % | Average, THD U LL | [1] | 0,1 |
| 4219 | SHORT | RD | % | Average, THD U LL | [2] | 0,1 |
| 4220 | SHORT | RD | V | Average, real part U LN | [0] | 0,1 |
| 4221 | SHORT | RD | V | Average, real part U LN | [1] | 0,1 |
| 4222 | SHORT | RD | V | Average, real part U LN | [2] | 0,1 |
| 4223 | SHORT | RD | V | Average, imaginary part U LN | [0] | 0,1 |
| 4224 | SHORT | RD | V | Average, imaginary part U LN | [1] | 0,1 |
| 4225 | SHORT | RD | V | Average, imaginary part U LN | [2] | 0,1 |
| 4346 | SHORT | RD | mA | Average, Current I L | [0] | 1 |
| 4347 | SHORT | RD | mA | Average, Current I L | [1] | 1 |
| 4348 | SHORT | RD | mA | Average, Current I L | [2] | 1 |
| 4349 | SHORT | RD | mA | Average, Vector sum; IN=I1+I2+I3 | [3] | 1 |
| 4350 | SHORT | RD | W | Average, Real power P LN | [0] | 0,1 |
| 4351 | SHORT | RD | W | Average, Real power P LN | [1] | 0,1 |
| 4352 | SHORT | RD | W | Average, Real power P LN | [2] | 0,1 |
| 4353 | SHORT | RD | W | Average, Sum; Psum3=P1+P2+P3 | [3] | 0,1 |
| 4354 | SHORT | RD | var | Average, Fund. reactive power Q LN | [0] | 0,1 |
| 4355 | SHORT | RD | var | Average, Fund. reactive power Q LN | [1] | 0,1 |
| 4356 | SHORT | RD | var | Average, Fund. reactive power Q LN | [2] | 0,1 |
| 4357 | SHORT | RD | var | Average, Sum; Qsum3=Q1+Q2+Q3 | [3] | 0,1 |
| 4358 | SHORT | RD | VA | Average, Apparent power S LN | [0] | 0,1 |
| 4359 | SHORT | RD | VA | Average, Apparent power S LN | [1] | 0,1 |
| 4360 | SHORT | RD | VA | Average, Apparent power S LN | [2] | 0,1 |
| 4361 | SHORT | RD | VA | Average, Sum; Ssum3=S1+S2+S3 | [3] | 0,1 |
| 4362 | SHORT | RD | W | Average, Fund. real power P0 LN | [0] | 0,1 |
| 4363 | SHORT | RD | W | Average, Fund. real power P0 LN | [1] | 0,1 |
| 4364 | SHORT | RD | W | Average, Fund. real power P0 LN | [2] | 0,1 |
| 4365 | SHORT | RD | W | Average, Sum; CosPhisum3=P0sum3/Ssum3 | [3] | 0,1 |
| 4366 | SHORT | RD | var | Average, Harmonic distortion power D LN | [0] | 0,1 |
| 4367 | SHORT | RD | var | Average, Harmonic distortion power D LN | [1] | 0,1 |
| 4368 | SHORT | RD | var | Average, Harmonic distortion power D LN | [2] | 0,1 |
| 4369 | SHORT | RD | var | Average, Sum; Dsum3=D1+D2+D3 | [3] | 0,1 |
| 4370 | SHORT | RD | % | Average, THD I | [0] | 0,1 |
| 4371 | SHORT | RD | % | Average, THD I | [1] | 0,1 |
| 4372 | SHORT | RD | % | Average, THD I | [2] | 0,1 |
| 4373 | SHORT | RD | % | Average, TDD I | [0] | 0,1 |
| 4374 | SHORT | RD | % | Average, TDD I | [1] | 0,1 |
| 4375 | SHORT | RD | % | Average, TDD I | [2] | 0,1 |
| 4376 | SHORT | RD | mA | Average, Current, zero sequence | | 1 |
| 4377 | SHORT | RD | mA | Average, Current, negative sequence | | 1 |
| 4378 | SHORT | RD | mA | Average, Current, positive sequence | | 1 |
| 4379 | SHORT | RD | mA | Average, Current, real part I L | [0] | 1 |
| 4380 | SHORT | RD | mA | Average, Current, real part I L | [1] | 1 |

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index | Auflösung |
|---------|--------|-------|---------|--------------------------------------|-------|-----------|
| 4381 | SHORT | RD | mA | Average, Current, real part I L | [2] | 1 |
| 4382 | SHORT | RD | mA | Average, Current, imaginary part I L | [0] | 1 |
| 4383 | SHORT | RD | mA | Average, Current, imaginary part I L | [1] | 1 |
| 4384 | SHORT | RD | mA | Average, Current, imaginary part I L | [2] | 1 |
| 10770 | SHORT | RD | mA | Average, Current I L4 | | 1 |
| 10771 | SHORT | RD | % | Average, THD I L4 | | 0,1 |
| 10772 | SHORT | RD | % | Average, TDD I L4 | | 0,1 |
| 10773 | SHORT | RD | W | Average, Power S0, input 1 | [0] | 0,1 |
| 10774 | SHORT | RD | W | Average, Power S0, input 2 | [1] | 0,1 |
| 10775 | SHORT | RD | W | Average, Power S0, input 3 | [2] | 0,1 |
| 11361 | SHORT | RD | °C | Average, Temperature input 1 | | 0,1 |
| 11362 | SHORT | RD | °C | Average, Temperature input 2 | | 0,1 |
| 11363 | SHORT | RD | % | Average, Diff1 4-20mA | | 0,1 |
| 11364 | SHORT | RD | % | Average, Diff2 4-20mA | | 0,1 |
| 11365 | SHORT | RD | mA | Average, Current Diff1 | | 1 |
| 11366 | SHORT | RD | mA | Average, Current Diff2 | | 1 |
| 11367 | SHORT | RD | % | Average, THD I Diff1 | | 0,1 |
| 11368 | SHORT | RD | % | Average, THD I Diff2 | | 0,1 |

Minwerte, Typ Float

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index |
|---------|--------|-------|---------|---|-------|
| 3436 | FLOAT | RD | Hz | Minimum, measured frequency | |
| 3438 | FLOAT | RD | - | Minimum, Voltage, zero sequence | |
| 3440 | FLOAT | RD | - | Minimum, Voltage, negative sequence | |
| 3442 | FLOAT | RD | - | Minimum, Voltage, positive sequence | |
| 3444 | FLOAT | RD | V | Minimum, Voltage L-N | [0] |
| 3446 | FLOAT | RD | V | Minimum, Voltage L-N | [1] |
| 3448 | FLOAT | RD | V | Minimum, Voltage L-N | [2] |
| 3450 | FLOAT | RD | V | Minimum, Voltage L-L | [0] |
| 3452 | FLOAT | RD | V | Minimum, Voltage L-L | [1] |
| 3454 | FLOAT | RD | V | Minimum, Voltage L-L | [2] |
| 3456 | FLOAT | RD | - | Minimum, Fund. power factor, CosPhi; ULN IL | [0] |
| 3458 | FLOAT | RD | - | Minimum, Fund. power factor, CosPhi; ULN IL | [1] |
| 3460 | FLOAT | RD | - | Minimum, Fund. power factor, CosPhi; ULN IL | [2] |
| 3462 | FLOAT | RD | - | Minimum, Sum; CosPhisum3=P0sum3/Ssum3 | [3] |
| 3464 | FLOAT | RD | - | Minimum, Power factor; ULN I L | [0] |
| 3466 | FLOAT | RD | - | Minimum, Power factor; ULN I L | [1] |
| 3468 | FLOAT | RD | - | Minimum, Power factor; ULN I L | [2] |
| 3470 | FLOAT | RD | - | Minimum, Sum; Power factor sum3=Psum3/Ssum3 | [3] |
| 3472 | FLOAT | RD | % | Minimum, THD U LN | [0] |
| 3474 | FLOAT | RD | % | Minimum, THD U LN | [1] |
| 3476 | FLOAT | RD | % | Minimum, THD U LN | [2] |
| 3478 | FLOAT | RD | % | Minimum, THD U LL | [0] |
| 3480 | FLOAT | RD | % | Minimum, THD U LL | [1] |
| 3482 | FLOAT | RD | % | Minimum, THD U LL | [2] |
| 3484 | FLOAT | RD | V | Minimum, Voltage, real part U LN | [0] |
| 3486 | FLOAT | RD | V | Minimum, Voltage, real part U LN | [1] |
| 3488 | FLOAT | RD | V | Minimum, Voltage, real part U LN | [2] |
| 3490 | FLOAT | RD | V | Minimum, Voltage, imaginary part U LN | [0] |
| 3492 | FLOAT | RD | V | Minimum, Voltage, imaginary part U LN | [1] |
| 3494 | FLOAT | RD | V | Minimum, Voltage, imaginary part U LN | [2] |

Minwerte, Typ Short

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index | Auflösung |
|---------|--------|-------|---------|------------------------------------|-------|-----------|
| 4814 | SHORT | RD | Hz | measured frequency | | 0,01 |
| 4815 | SHORT | RD | V | Voltage, zero sequence | | 0,1 |
| 4816 | SHORT | RD | V | Voltage, negative sequence | | 0,1 |
| 4817 | SHORT | RD | V | Voltage, positive sequence | | 0,1 |
| 4818 | SHORT | RD | V | Voltage L-N | [0] | 0,1 |
| 4819 | SHORT | RD | V | Voltage L-N | [1] | 0,1 |
| 4820 | SHORT | RD | V | Voltage L-N | [2] | 0,1 |
| 4821 | SHORT | RD | V | Voltage L-L | [0] | 0,1 |
| 4822 | SHORT | RD | V | Voltage L-L | [1] | 0,1 |
| 4823 | SHORT | RD | V | Voltage L-L | [2] | 0,1 |
| 4824 | SHORT | RD | - | Fund. power factor, CosPhi; ULN IL | [0] | 0,01 |
| 4825 | SHORT | RD | - | Fund. power factor, CosPhi; ULN IL | [1] | 0,01 |
| 4826 | SHORT | RD | - | Fund. power factor, CosPhi; ULN IL | [2] | 0,01 |
| 4827 | SHORT | RD | - | Sum; CosPhisum3=P0sum3/Ssum3 | [3] | 0,01 |
| 4828 | SHORT | RD | - | Power factor; ULN IL | [0] | 0,01 |
| 4829 | SHORT | RD | - | Power factor; ULN IL | [1] | 0,01 |
| 4830 | SHORT | RD | - | Power factor; ULN IL | [2] | 0,01 |
| 4831 | SHORT | RD | - | Sum; Power factor sum3=Psum3/Ssum3 | [3] | |
| 4832 | SHORT | RD | % | THD U LN | [0] | 0,1 |
| 4833 | SHORT | RD | % | THD U LN | [1] | 0,1 |
| 4834 | SHORT | RD | % | THD U LN | [2] | 0,1 |
| 4835 | SHORT | RD | % | THD U LL | [0] | 0,1 |
| 4836 | SHORT | RD | % | THD U LL | [1] | 0,1 |
| 4837 | SHORT | RD | % | THD U LL | [2] | 0,1 |
| 4838 | SHORT | RD | V | Voltage, real part U LN | [0] | 0,1 |
| 4839 | SHORT | RD | V | Voltage, real part U LN | [1] | 0,1 |
| 4840 | SHORT | RD | V | Voltage, real part U LN | [2] | 0,1 |
| 4841 | SHORT | RD | V | Voltage, imaginary part U LN | [0] | 0,1 |
| 4842 | SHORT | RD | V | Voltage, imaginary part U LN | [1] | 0,1 |
| 4843 | SHORT | RD | V | Voltage, imaginary part U LN | [2] | 0,1 |

Maxwerte, Typ Float

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index |
|---------|--------|-------|---------|---|-------|
| 2578 | FLOAT | RD | Hz | Maximum, measured frequency | |
| 2580 | FLOAT | RD | - | Maximum, Voltage, zero sequence | |
| 2582 | FLOAT | RD | - | Maximum, Voltage, negative sequence | |
| 2584 | FLOAT | RD | - | Maximum, Voltage, positive sequence | |
| 2586 | FLOAT | RD | V | Maximum, Voltage L-N | [0] |
| 2588 | FLOAT | RD | V | Maximum, Voltage L-N | [1] |
| 2590 | FLOAT | RD | V | Maximum, Voltage L-N | [2] |
| 2592 | FLOAT | RD | V | Maximum, Voltage L-L | [0] |
| 2594 | FLOAT | RD | V | Maximum, Voltage L-L | [1] |
| 2596 | FLOAT | RD | V | Maximum, Voltage L-L | [2] |
| 3078 | FLOAT | RD | - | Maximum, Fund. power factor, CosPhi; ULN IL | [0] |
| 3080 | FLOAT | RD | - | Maximum, Fund. power factor, CosPhi; ULN IL | [1] |
| 3082 | FLOAT | RD | - | Maximum, Fund. power factor, CosPhi; ULN IL | [2] |
| 3084 | FLOAT | RD | - | Maximum, Sum; CosPhisum3=P0sum3/Ssum3 | [3] |
| 3086 | FLOAT | RD | - | Maximum, Power factor; ULN IL | [0] |
| 3088 | FLOAT | RD | - | Maximum, Power factor; ULN IL | [1] |
| 3090 | FLOAT | RD | - | Maximum, Power factor; ULN IL | [2] |
| 3092 | FLOAT | RD | - | Maximum, Sum; Power factor sum3=Psum3/Ssum | [3] |
| 3094 | FLOAT | RD | % | Maximum, THD, U LN | [0] |
| 3096 | FLOAT | RD | % | Maximum, THD, U LN | [1] |
| 3098 | FLOAT | RD | % | Maximum, THD, U LN | [2] |
| 3100 | FLOAT | RD | % | Maximum, THD, U LL | [0] |
| 3102 | FLOAT | RD | % | Maximum, THD, U LL | [1] |
| 3104 | FLOAT | RD | % | Maximum, THD, U LL | [2] |
| 3106 | FLOAT | RD | V | Maximum, Voltage, real part U LN | [0] |
| 3108 | FLOAT | RD | V | Maximum, Voltage, real part U LN | [1] |
| 3110 | FLOAT | RD | V | Maximum, Voltage, real part U LN | [2] |
| 3112 | FLOAT | RD | V | Maximum, Voltage, imaginary part U LN | [0] |
| 3114 | FLOAT | RD | V | Maximum, Voltage, imaginary part U LN | [1] |
| 3116 | FLOAT | RD | V | Maximum, Voltage, imaginary part U LN | [2] |
| 3358 | FLOAT | RD | A | Maximum, Current I L | [0] |
| 3360 | FLOAT | RD | A | Maximum, Current I L | [1] |
| 3362 | FLOAT | RD | A | Maximum, Current I L | [2] |
| 3364 | FLOAT | RD | A | Maximum, Vector sum; IN=I1+I2+I3 | [3] |
| 3366 | FLOAT | RD | W | Maximum, Real power P LN | [0] |
| 3368 | FLOAT | RD | W | Maximum, Real power P LN | [1] |
| 3370 | FLOAT | RD | W | Maximum, Real power P LN | [2] |
| 3372 | FLOAT | RD | W | Maximum, Sum; Psum3=P1+P2+P3 | [3] |
| 3374 | FLOAT | RD | var | Maximum, Fund. reactive power Q LN | [0] |
| 3376 | FLOAT | RD | var | Maximum, Fund. reactive power Q LN | [1] |
| 3378 | FLOAT | RD | var | Maximum, Fund. reactive power Q LN | [2] |
| 3380 | FLOAT | RD | var | Maximum, Sum; Qsum3=Q1+Q2+Q3 | [3] |
| 3382 | FLOAT | RD | VA | Maximum, Average, Apparent power S LN | [0] |
| 3384 | FLOAT | RD | VA | Maximum, Average, Apparent power S LN | [1] |
| 3386 | FLOAT | RD | VA | Maximum, Average, Apparent power S LN | [2] |
| 3388 | FLOAT | RD | VA | Maximum, Average, Sum; Ssum3=S1+S2+S3 | [3] |
| 3390 | FLOAT | RD | W | Maximum, Fund. real power P0 LN | [0] |
| 3392 | FLOAT | RD | W | Maximum, Fund. real power P0 LN | [1] |
| 3394 | FLOAT | RD | W | Maximum, Fund. real power P0 LN | [2] |
| 3396 | FLOAT | RD | W | Maximum, Sum; P0sum3=P01+P02+P03 | [3] |
| 3398 | FLOAT | RD | var | Maximum, Harmonic distortion power D LN | [0] |
| 3400 | FLOAT | RD | var | Maximum, Harmonic distortion power D LN | [1] |
| 3402 | FLOAT | RD | var | Maximum, Harmonic distortion power D LN | [2] |
| 3404 | FLOAT | RD | var | Maximum, Sum; Dsum3=D1+D2+D3 | [3] |
| 3406 | FLOAT | RD | A | Maximum, THD I | [0] |
| 3408 | FLOAT | RD | A | Maximum, THD I | [1] |
| 3410 | FLOAT | RD | A | Maximum, THD I | [2] |
| 3412 | FLOAT | RD | A | Maximum, TDD I | [0] |
| 3414 | FLOAT | RD | A | Maximum, TDD I | [1] |
| 3416 | FLOAT | RD | A | Maximum, TDD I | [2] |
| 3418 | FLOAT | RD | - | Maximum, Current, zero sequence | |
| 3420 | FLOAT | RD | - | Maximum, Current, negative sequence | |
| 3422 | FLOAT | RD | - | Maximum, positive sequence | |
| 3424 | FLOAT | RD | A | Maximum, real part I L | [0] |
| 3426 | FLOAT | RD | A | Maximum, real part I L | [1] |
| 3428 | FLOAT | RD | A | Maximum, real part I L | [2] |

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index |
|---------|--------|-------|---------|--|-------|
| 3430 | FLOAT | RD | A | Maximum, imaginary part I L | [0] |
| 3432 | FLOAT | RD | A | Maximum, imaginary part I L | [1] |
| 3434 | FLOAT | RD | A | Maximum, imaginary part I L | [2] |
| 10103 | FLOAT | RD | W | Maximum, Power s0, input 1 | [0] |
| 10105 | FLOAT | RD | W | Maximum, Power s0, input 2 | [1] |
| 10107 | FLOAT | RD | W | Maximum, Power s0, input 3 | [2] |
| 10121 | FLOAT | RD | A | Maximum, Current I L4 | |
| 10123 | FLOAT | RD | % | Maximum, THD I L4 | |
| 10125 | FLOAT | RD | % | Maximum, TDD I L4 | |
| 11217 | FLOAT | RD | °C | Maximum, Temperature input 1 | |
| 11219 | FLOAT | RD | °C | Maximum, Temperature input 2 | |
| 11221 | FLOAT | RD | % | Maximum, Diff1 4-20mA | |
| 11223 | FLOAT | RD | % | Maximum, Diff2 4-20mA | |
| 11225 | FLOAT | RD | A | Maximum, Current Diff1 | |
| 11227 | FLOAT | RD | A | Maximum, Current Diff2 | |
| 11229 | FLOAT | RD | % | Maximum, THD I Diff1 | |
| 11231 | FLOAT | RD | % | Maximum, THD I Diff2 | |
| 11467 | FLOAT | RD | A | Maximum, Arithmetic Sum Current (I1+I2+I3) | |

Maxwerte, Type Short

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index | Auflösung |
|---------|--------|-------|---------|---|-------|-----------|
| 4385 | SHORT | RD | Hz | Maximum, measured frequency | | 0,01 |
| 4386 | SHORT | RD | V | Maximum, Voltage, zero sequence | | 0,1 |
| 4387 | SHORT | RD | V | Maximum, Voltage, negative sequence | | 0,1 |
| 4388 | SHORT | RD | V | Maximum, Voltage, positive sequence | | 0,1 |
| 4389 | SHORT | RD | V | Maximum, Voltage L-N | [0] | 0,1 |
| 4390 | SHORT | RD | V | Maximum, Voltage L-N | [1] | 0,1 |
| 4391 | SHORT | RD | V | Maximum, Voltage L-N | [2] | 0,1 |
| 4392 | SHORT | RD | V | Maximum, Voltage L-L | [0] | 0,1 |
| 4393 | SHORT | RD | V | Maximum, Voltage L-L | [1] | 0,1 |
| 4394 | SHORT | RD | V | Maximum, Voltage L-L | [2] | 0,1 |
| 4635 | SHORT | RD | - | Maximum, Fund. power factor, CosPhi; ULN IL | [0] | 0,01 |
| 4636 | SHORT | RD | - | Maximum, Fund. power factor, CosPhi; ULN IL | [1] | 0,01 |
| 4637 | SHORT | RD | - | Maximum, Fund. power factor, CosPhi; ULN IL | [2] | 0,01 |
| 4638 | SHORT | RD | - | Maximum, Sum; CosPhisum3=P0sum3/Ssum3 | [3] | 0,01 |
| 4639 | SHORT | RD | - | Maximum, Power factor; ULN IL | [0] | 0,01 |
| 4640 | SHORT | RD | - | Maximum, Power factor; ULN IL | [1] | 0,01 |
| 4641 | SHORT | RD | - | Maximum, Power factor; ULN IL | [2] | 0,01 |
| 4642 | SHORT | RD | - | Maximum, Sum; Power factor sum3=Psum3/Ssum3 | [3] | 0,01 |
| 4643 | SHORT | RD | % | Maximum, THD U LN | [0] | 0,1 |
| 4644 | SHORT | RD | % | Maximum, THD U LN | [1] | 0,1 |
| 4645 | SHORT | RD | % | Maximum, THD U LN | [2] | 0,1 |
| 4646 | SHORT | RD | % | Maximum, THD U LL | [0] | 0,1 |
| 4647 | SHORT | RD | % | Maximum, THD U LL | [1] | 0,1 |
| 4648 | SHORT | RD | % | Maximum, THD U LL | [2] | 0,1 |
| 4649 | SHORT | RD | V | Maximum, real part U LN | [0] | 0,1 |
| 4650 | SHORT | RD | V | Maximum, real part U LN | [1] | 0,1 |
| 4651 | SHORT | RD | V | Maximum, real part U LN | [2] | 0,1 |
| 4652 | SHORT | RD | V | Maximum, imaginary part U LN | [0] | 0,1 |
| 4653 | SHORT | RD | V | Maximum, imaginary part U LN | [1] | 0,1 |
| 4654 | SHORT | RD | V | Maximum, imaginary part U LN | [2] | 0,1 |
| 4775 | SHORT | RD | mA | Maximum, Current I L | [0] | 1 |
| 4776 | SHORT | RD | mA | Maximum, Current I L | [1] | 1 |
| 4777 | SHORT | RD | mA | Maximum, Current I L | [2] | 1 |
| 4778 | SHORT | RD | mA | Maximum, Vector sum; IN=I1+I2+I3 | [3] | 1 |
| 4779 | SHORT | RD | W | Maximum, Real power P LN | [0] | 0,1 |
| 4780 | SHORT | RD | W | Maximum, Real power P LN | [1] | 0,1 |
| 4781 | SHORT | RD | W | Maximum, Real power P LN | [2] | 0,1 |
| 4782 | SHORT | RD | W | Maximum, Sum; Psum3=P1+P2+P3 | [3] | 0,1 |
| 4783 | SHORT | RD | var | Maximum, Fund. reactive power Q LN | [0] | 0,1 |
| 4784 | SHORT | RD | var | Maximum, Fund. reactive power Q LN | [1] | 0,1 |
| 4785 | SHORT | RD | var | Maximum, Fund. reactive power Q LN | [2] | 0,1 |
| 4786 | SHORT | RD | var | Maximum, Sum; Qsum3=Q1+Q2+Q3 | [3] | 0,1 |
| 4787 | SHORT | RD | VA | Maximum, Apparent power S LN | [0] | 0,1 |
| 4788 | SHORT | RD | VA | Maximum, Apparent power S LN | [1] | 0,1 |
| 4789 | SHORT | RD | VA | Maximum, Apparent power S LN | [2] | 0,1 |
| 4790 | SHORT | RD | VA | Maximum, Sum; Ssum3=S1+S2+S3 | [3] | 0,1 |
| 4791 | SHORT | RD | W | Maximum, Fund. real power P0 LN | [0] | 0,1 |
| 4792 | SHORT | RD | W | Maximum, Fund. real power P0 LN | [1] | 0,1 |
| 4793 | SHORT | RD | W | Maximum, Fund. real power P0 LN | [2] | 0,1 |
| 4794 | SHORT | RD | W | Maximum, Sum; P0sum3=P01+P02+P03 | [3] | 0,1 |
| 4795 | SHORT | RD | var | Maximum, Harmonic distortion power D LN | [0] | 0,1 |
| 4796 | SHORT | RD | var | Maximum, Harmonic distortion power D LN | [1] | 0,1 |
| 4797 | SHORT | RD | var | Maximum, Harmonic distortion power D LN | [2] | 0,1 |
| 4798 | SHORT | RD | var | Maximum, Sum; Dsum3=D1+D2+D3 | [3] | 0,1 |
| 4799 | SHORT | RD | % | Maximum, THD I | [0] | 0,1 |
| 4800 | SHORT | RD | % | Maximum, THD I | [1] | 0,1 |
| 4801 | SHORT | RD | % | Maximum, THD I | [2] | 0,1 |
| 4802 | SHORT | RD | % | Maximum, TDD I | [0] | 0,1 |
| 4803 | SHORT | RD | % | Maximum, TDD I | [1] | 0,1 |
| 4804 | SHORT | RD | % | Maximum, TDD I | [2] | 0,1 |
| 4805 | SHORT | RD | mA | Maximum, Current, zero sequence | | 1 |
| 4806 | SHORT | RD | mA | Maximum, Current, negative sequence | | 1 |
| 4807 | SHORT | RD | mA | Maximum, Current, positive sequence | | 1 |
| 4808 | SHORT | RD | mA | Maximum, Current, real part IL | [0] | 1 |
| 4809 | SHORT | RD | mA | Maximum, Current, real part IL | [1] | 1 |
| 4810 | SHORT | RD | mA | Maximum, Current, real part IL | [2] | 1 |

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index | Auflösung |
|---------|--------|-------|---------|--------------------------------------|-------|-----------|
| 4811 | SHORT | RD | mA | Maximum, Current, imaginary part I L | [0] | 1 |
| 4812 | SHORT | RD | mA | Maximum, Current, imaginary part I L | [1] | 1 |
| 4813 | SHORT | RD | mA | Maximum, Current, imaginary part I L | [2] | 1 |
| 10817 | SHORT | RD | mA | Maximum, Current I L4 | | 1 |
| 10818 | SHORT | RD | % | Maximum, THD I L4 | | 0,1 |
| 10819 | SHORT | RD | % | Maximum, TDD I L4 | | 0,1 |
| 10820 | SHORT | RD | W | Maximum, Power S0, input 1 | | 0,1 |
| 10821 | SHORT | RD | W | Maximum, Power S0, input 2 | | 0,1 |
| 10822 | SHORT | RD | W | Maximum, Power S0, input 3 | | 0,1 |
| 11449 | SHORT | RD | °C | Maximum, Temperature input 1 | | 0,1 |
| 11450 | SHORT | RD | °C | Maximum, Temperature input 2 | | 0,1 |
| 11451 | SHORT | RD | % | Maximum, Diff1 4-20mA | | 0,1 |
| 11452 | SHORT | RD | % | Maximum, Diff2 4-20mA | | 0,1 |
| 11453 | SHORT | RD | mA | Maximum, Current Diff1 | | 1 |
| 11454 | SHORT | RD | mA | Maximum, Current Diff2 | | 1 |
| 11455 | SHORT | RD | % | Maximum, THD I Diff1 | | 0,1 |
| 11456 | SHORT | RD | % | Maximum, THD I Diff2 | | 0,1 |

Maxwerte der Mittelwerte, Typ Float

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index |
|---------|--------|-------|---------|--|-------|
| 3496 | FLOAT | RD | A | Max. values of average val., Current I L1 | [0] |
| 3498 | FLOAT | RD | A | Max. values of average val., Current I L2 | [1] |
| 3500 | FLOAT | RD | A | Max. values of average val., Current I L3 | [2] |
| 3502 | FLOAT | RD | A | Max. values of average val., Vector sum; $IN=I1+I2+I3$ | [3] |
| 3504 | FLOAT | RD | W | Max. values of average val., Real power P L1-N | [0] |
| 3506 | FLOAT | RD | W | Max. values of average val., Real power P L2-N | [1] |
| 3508 | FLOAT | RD | W | Max. values of average val., Real power P L3-N | [2] |
| 3510 | FLOAT | RD | W | Max. values of average val., Sum; $Psum3=P1+P2+P3$ | [3] |
| 10127 | FLOAT | RD | A | Max. values of average val., Current I L4 | |
| 11233 | FLOAT | RD | °C | Max. values of average val., Temperature input 1 | |
| 11235 | FLOAT | RD | °C | Max. values of average val., Temperature input 2 | |
| 11237 | FLOAT | RD | % | Max. values of average val., Diff1 4-20mA | |
| 11239 | FLOAT | RD | % | Max. values of average val., Diff2 4-20mA | |
| 11241 | FLOAT | RD | A | Max. values of average val., Current Diff1 | |
| 11243 | FLOAT | RD | A | Max. values of average val., Current Diff2 | |
| 11469 | FLOAT | RD | A | Arithmetic Sum Current (I1+I2+I3), maximum average | |

Maxwerte der Mittelwerte, Type Short

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index | Auflösung |
|---------|--------|-------|---------|---|-------|-----------|
| 4844 | SHORT | RD | mA | Max. value of average val., Current I L | [0] | 1 |
| 4845 | SHORT | RD | mA | Max. value of average val., Current I L | [1] | 1 |
| 4846 | SHORT | RD | mA | Max. value of average val., Current I L | [2] | 1 |
| 4847 | SHORT | RD | mA | Max. value of average val., Vector sum; $IN=I1+I2+I3$ | [3] | 1 |
| 4848 | SHORT | RD | W | Max. value of average val., Real power P LN | [0] | 0,1 |
| 4849 | SHORT | RD | W | Max. value of average val., Real power P LN | [1] | 0,1 |
| 4850 | SHORT | RD | W | Max. value of average val., Real power P LN | [2] | 0,1 |
| 4851 | SHORT | RD | W | Max. value of average val., Sum; $Psum3=P1+P2+P3$ | [3] | 0,1 |
| 10864 | SHORT | RD | mA | Max. value of average val., current I L4 | | 1 |
| 11457 | SHORT | RD | °C | Max. value of average val., Temperature input 1 | | 0,1 |
| 11458 | SHORT | RD | °C | Max. value of average val., Temperature input 2 | | 0,1 |
| 11459 | SHORT | RD | % | Max. value of average val., Diff1 4-20mA | | 0,1 |
| 11460 | SHORT | RD | % | Max. value of average val., Diff2 4-20mA | | 0,1 |
| 11461 | SHORT | RD | mA | Max. value of average val., Current Diff1 | | 1 |
| 11462 | SHORT | RD | mA | Max. value of average val., Current Diff2 | | 1 |

Energie, Typ Integer

Die Energiewerte im Integer-Format enthalten keine Strom- und Spannungswandlerverhältnisse.

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index |
|---------|--------|-------|---------|---------------------------------|-------|
| 5448 | INT | RD | Wh | Real energy, L1, rate | [0] |
| 5450 | INT | RD | Wh | Real energy, L1, rate | [1] |
| 5452 | INT | RD | Wh | Real energy, L1, rate | [2] |
| 5454 | INT | RD | Wh | Real energy, L1, rate | [3] |
| 5456 | INT | RD | Wh | Real energy, L1, rate | [4] |
| 5458 | INT | RD | Wh | Real energy, L1, rate | [5] |
| 5460 | INT | RD | Wh | Real energy, L1, rate | [6] |
| 5462 | INT | RD | Wh | Real energy, L1, rate | [7] |
| 5464 | INT | RD | Wh | Real energy, L1, obtained, rate | [0] |
| 5466 | INT | RD | Wh | Real energy, L1, obtained, rate | [1] |
| 5468 | INT | RD | Wh | Real energy, L1, obtained, rate | [2] |
| 5470 | INT | RD | Wh | Real energy, L1, obtained, rate | [3] |
| 5472 | INT | RD | Wh | Real energy, L1, obtained, rate | [4] |
| 5474 | INT | RD | Wh | Real energy, L1, obtained, rate | [5] |
| 5476 | INT | RD | Wh | Real energy, L1, obtained, rate | [6] |
| 5478 | INT | RD | Wh | Real energy, L1, obtained, rate | [7] |
| 5480 | INT | RD | Wh | Real energy, L1, supplied, rate | [0] |
| 5482 | INT | RD | Wh | Real energy, L1, supplied, rate | [1] |
| 5484 | INT | RD | Wh | Real energy, L1, supplied, rate | [2] |
| 5486 | INT | RD | Wh | Real energy, L1, supplied, rate | [3] |
| 5488 | INT | RD | Wh | Real energy, L1, supplied, rate | [4] |
| 5490 | INT | RD | Wh | Real energy, L1, supplied, rate | [5] |
| 5492 | INT | RD | Wh | Real energy, L1, supplied, rate | [6] |
| 5494 | INT | RD | Wh | Real energy, L1, supplied, rate | [7] |
| 5496 | INT | RD | varh | Reactive energy, L1, rate | [0] |
| 5498 | INT | RD | varh | Reactive energy, L1, rate | [1] |
| 5500 | INT | RD | varh | Reactive energy, L1, rate | [2] |
| 5502 | INT | RD | varh | Reactive energy, L1, rate | [3] |
| 5504 | INT | RD | varh | Reactive energy, L1, rate | [4] |
| 5506 | INT | RD | varh | Reactive energy, L1, rate | [5] |
| 5508 | INT | RD | varh | Reactive energy, L1, rate | [6] |
| 5510 | INT | RD | varh | Reactive energy, L1, rate | [7] |
| 5512 | INT | RD | varh | Reactive energy, L1, ind., rate | [0] |
| 5514 | INT | RD | varh | Reactive energy, L1, ind., rate | [1] |
| 5516 | INT | RD | varh | Reactive energy, L1, ind., rate | [2] |
| 5518 | INT | RD | varh | Reactive energy, L1, ind., rate | [3] |
| 5520 | INT | RD | varh | Reactive energy, L1, ind., rate | [4] |
| 5522 | INT | RD | varh | Reactive energy, L1, ind., rate | [5] |
| 5524 | INT | RD | varh | Reactive energy, L1, ind., rate | [6] |
| 5526 | INT | RD | varh | Reactive energy, L1, ind., rate | [7] |
| 5528 | INT | RD | varh | Reactive energy, L1, cap., rate | [0] |
| 5530 | INT | RD | varh | Reactive energy, L1, cap., rate | [1] |
| 5532 | INT | RD | varh | Reactive energy, L1, cap., rate | [2] |
| 5534 | INT | RD | varh | Reactive energy, L1, cap., rate | [3] |
| 5536 | INT | RD | varh | Reactive energy, L1, cap., rate | [4] |
| 5538 | INT | RD | varh | Reactive energy, L1, cap., rate | [5] |
| 5540 | INT | RD | varh | Reactive energy, L1, cap., rate | [6] |
| 5542 | INT | RD | varh | Reactive energy, L1, cap., rate | [7] |
| 5544 | INT | RD | VAh | Apparent energy, L1, rate | [0] |
| 5546 | INT | RD | VAh | Apparent energy, L1, rate | [1] |
| 5548 | INT | RD | VAh | Apparent energy, L1, rate | [2] |
| 5550 | INT | RD | VAh | Apparent energy, L1, rate | [3] |
| 5552 | INT | RD | VAh | Apparent energy, L1, rate | [4] |
| 5554 | INT | RD | VAh | Apparent energy, L1, rate | [5] |
| 5556 | INT | RD | VAh | Apparent energy, L1, rate | [6] |
| 5558 | INT | RD | VAh | Apparent energy, L1, rate | [7] |
| 5560 | INT | RD | Wh | Real energy, L2, rate | [0] |
| 5562 | INT | RD | Wh | Real energy, L2, rate | [1] |
| 5564 | INT | RD | Wh | Real energy, L2, rate | [2] |
| 5566 | INT | RD | Wh | Real energy, L2, rate | [3] |
| 5568 | INT | RD | Wh | Real energy, L2, rate | [4] |
| 5570 | INT | RD | Wh | Real energy, L2, rate | [5] |
| 5572 | INT | RD | Wh | Real energy, L2, rate | [6] |
| 5574 | INT | RD | Wh | Real energy, L2, rate | [7] |
| 5576 | INT | RD | Wh | Real energy, L2, obtained, rate | [0] |
| 5578 | INT | RD | Wh | Real energy, L2, obtained, rate | [1] |

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index |
|---------|--------|-------|---------|---------------------------------|-------|
| 5580 | INT | RD | Wh | Real energy, L2, obtained, rate | [2] |
| 5582 | INT | RD | Wh | Real energy, L2, obtained, rate | [3] |
| 5584 | INT | RD | Wh | Real energy, L2, obtained, rate | [4] |
| 5586 | INT | RD | Wh | Real energy, L2, obtained, rate | [5] |
| 5588 | INT | RD | Wh | Real energy, L2, obtained, rate | [6] |
| 5590 | INT | RD | Wh | Real energy, L2, obtained, rate | [7] |
| 5592 | INT | RD | Wh | Real energy, L2, supplied, rate | [0] |
| 5594 | INT | RD | Wh | Real energy, L2, supplied, rate | [1] |
| 5596 | INT | RD | Wh | Real energy, L2, supplied, rate | [2] |
| 5598 | INT | RD | Wh | Real energy, L2, supplied, rate | [3] |
| 5600 | INT | RD | Wh | Real energy, L2, supplied, rate | [4] |
| 5602 | INT | RD | Wh | Real energy, L2, supplied, rate | [5] |
| 5604 | INT | RD | Wh | Real energy, L2, supplied, rate | [6] |
| 5606 | INT | RD | Wh | Real energy, L2, supplied, rate | [7] |
| 5608 | INT | RD | varh | Reactive energy, L2, rate | [0] |
| 5610 | INT | RD | varh | Reactive energy, L2, rate | [1] |
| 5612 | INT | RD | varh | Reactive energy, L2, rate | [2] |
| 5614 | INT | RD | varh | Reactive energy, L2, rate | [3] |
| 5616 | INT | RD | varh | Reactive energy, L2, rate | [4] |
| 5618 | INT | RD | varh | Reactive energy, L2, rate | [5] |
| 5620 | INT | RD | varh | Reactive energy, L2, rate | [6] |
| 5622 | INT | RD | varh | Reactive energy, L2, rate | [7] |
| 5624 | INT | RD | varh | Reactive energy, L2, ind., rate | [0] |
| 5626 | INT | RD | varh | Reactive energy, L2, ind., rate | [1] |
| 5628 | INT | RD | varh | Reactive energy, L2, ind., rate | [2] |
| 5630 | INT | RD | varh | Reactive energy, L2, ind., rate | [3] |
| 5632 | INT | RD | varh | Reactive energy, L2, ind., rate | [4] |
| 5634 | INT | RD | varh | Reactive energy, L2, ind., rate | [5] |
| 5636 | INT | RD | varh | Reactive energy, L2, ind., rate | [6] |
| 5638 | INT | RD | varh | Reactive energy, L2, ind., rate | [7] |
| 5640 | INT | RD | varh | Reactive energy, L2, cap., rate | [0] |
| 5642 | INT | RD | varh | Reactive energy, L2, cap., rate | [1] |
| 5644 | INT | RD | varh | Reactive energy, L2, cap., rate | [2] |
| 5646 | INT | RD | varh | Reactive energy, L2, cap., rate | [3] |
| 5648 | INT | RD | varh | Reactive energy, L2, cap., rate | [4] |
| 5650 | INT | RD | varh | Reactive energy, L2, cap., rate | [5] |
| 5652 | INT | RD | varh | Reactive energy, L2, cap., rate | [6] |
| 5654 | INT | RD | varh | Reactive energy, L2, cap., rate | [7] |
| 5656 | INT | RD | VAh | Apparent energy, L2, rate | [0] |
| 5658 | INT | RD | VAh | Apparent energy, L2, rate | [1] |
| 5660 | INT | RD | VAh | Apparent energy, L2, rate | [2] |
| 5662 | INT | RD | VAh | Apparent energy, L2, rate | [3] |
| 5664 | INT | RD | VAh | Apparent energy, L2, rate | [4] |
| 5666 | INT | RD | VAh | Apparent energy, L2, rate | [5] |
| 5668 | INT | RD | VAh | Apparent energy, L2, rate | [6] |
| 5670 | INT | RD | VAh | Apparent energy, L2, rate | [7] |
| 5672 | INT | RD | Wh | Real energy, L3, rate | [0] |
| 5674 | INT | RD | Wh | Real energy, L3, rate | [1] |
| 5676 | INT | RD | Wh | Real energy, L3, rate | [2] |
| 5678 | INT | RD | Wh | Real energy, L3, rate | [3] |
| 5680 | INT | RD | Wh | Real energy, L3, rate | [4] |
| 5682 | INT | RD | Wh | Real energy, L3, rate | [5] |
| 5684 | INT | RD | Wh | Real energy, L3, rate | [6] |
| 5686 | INT | RD | Wh | Real energy, L3, rate | [7] |
| 5688 | INT | RD | Wh | Real energy, L3, obtained, rate | [0] |
| 5690 | INT | RD | Wh | Real energy, L3, obtained, rate | [1] |
| 5692 | INT | RD | Wh | Real energy, L3, obtained, rate | [2] |
| 5694 | INT | RD | Wh | Real energy, L3, obtained, rate | [3] |
| 5696 | INT | RD | Wh | Real energy, L3, obtained, rate | [4] |
| 5698 | INT | RD | Wh | Real energy, L3, obtained, rate | [5] |
| 5700 | INT | RD | Wh | Real energy, L3, obtained, rate | [6] |
| 5702 | INT | RD | Wh | Real energy, L3, obtained, rate | [7] |
| 5704 | INT | RD | Wh | Real energy, L3, supplied, rate | [0] |
| 5706 | INT | RD | Wh | Real energy, L3, supplied, rate | [1] |
| 5708 | INT | RD | Wh | Real energy, L3, supplied, rate | [2] |
| 5710 | INT | RD | Wh | Real energy, L3, supplied, rate | [3] |

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index |
|---------|--------|-------|---------|--|-------|
| 5712 | INT | RD | Wh | Real energy, L3, supplied, rate | [4] |
| 5714 | INT | RD | Wh | Real energy, L3, supplied, rate | [5] |
| 5716 | INT | RD | Wh | Real energy, L3, supplied, rate | [6] |
| 5718 | INT | RD | Wh | Real energy, L3, supplied, rate | [7] |
| 5720 | INT | RD | varh | Reactive energy, L3, rate | [0] |
| 5722 | INT | RD | varh | Reactive energy, L3, rate | [1] |
| 5724 | INT | RD | varh | Reactive energy, L3, rate | [2] |
| 5726 | INT | RD | varh | Reactive energy, L3, rate | [3] |
| 5728 | INT | RD | varh | Reactive energy, L3, rate | [4] |
| 5730 | INT | RD | varh | Reactive energy, L3, rate | [5] |
| 5732 | INT | RD | varh | Reactive energy, L3, rate | [6] |
| 5734 | INT | RD | varh | Reactive energy, L3, rate | [7] |
| 5736 | INT | RD | varh | Reactive energy, L3, ind., rate | [0] |
| 5738 | INT | RD | varh | Reactive energy, L3, ind., rate | [1] |
| 5740 | INT | RD | varh | Reactive energy, L3, ind., rate | [2] |
| 5742 | INT | RD | varh | Reactive energy, L3, ind., rate | [3] |
| 5744 | INT | RD | varh | Reactive energy, L3, ind., rate | [4] |
| 5746 | INT | RD | varh | Reactive energy, L3, ind., rate | [5] |
| 5748 | INT | RD | varh | Reactive energy, L3, ind., rate | [6] |
| 5750 | INT | RD | varh | Reactive energy, L3, ind., rate | [7] |
| 5752 | INT | RD | varh | Reactive energy, L3, cap., rate | [0] |
| 5754 | INT | RD | varh | Reactive energy, L3, cap., rate | [1] |
| 5756 | INT | RD | varh | Reactive energy, L3, cap., rate | [2] |
| 5758 | INT | RD | varh | Reactive energy, L3, cap., rate | [3] |
| 5760 | INT | RD | varh | Reactive energy, L3, cap., rate | [4] |
| 5762 | INT | RD | varh | Reactive energy, L3, cap., rate | [5] |
| 5764 | INT | RD | varh | Reactive energy, L3, cap., rate | [6] |
| 5766 | INT | RD | varh | Reactive energy, L3, cap., rate | [7] |
| 5768 | INT | RD | VAh | Apparent energy, L3, rate | [0] |
| 5770 | INT | RD | VAh | Apparent energy, L3, rate | [1] |
| 5772 | INT | RD | VAh | Apparent energy, L3, rate | [2] |
| 5774 | INT | RD | VAh | Apparent energy, L3, rate | [3] |
| 5776 | INT | RD | VAh | Apparent energy, L3, rate | [4] |
| 5778 | INT | RD | VAh | Apparent energy, L3, rate | [5] |
| 5780 | INT | RD | VAh | Apparent energy, L3, rate | [6] |
| 5782 | INT | RD | VAh | Apparent energy, L3, rate | [7] |
| 5784 | INT | RD | Wh | Real energy, sum. L1..L3, rate | [0] |
| 5786 | INT | RD | Wh | Real energy, sum. L1..L3, rate | [1] |
| 5788 | INT | RD | Wh | Real energy, sum. L1..L3, rate | [2] |
| 5790 | INT | RD | Wh | Real energy, sum. L1..L3, rate | [3] |
| 5792 | INT | RD | Wh | Real energy, sum. L1..L3, rate | [4] |
| 5794 | INT | RD | Wh | Real energy, sum. L1..L3, rate | [5] |
| 5796 | INT | RD | Wh | Real energy, sum. L1..L3, rate | [6] |
| 5798 | INT | RD | Wh | Real energy, sum. L1..L3, rate | [7] |
| 5800 | INT | RD | Wh | Real energy, sum. L1..L3, obtained, rate | [0] |
| 5802 | INT | RD | Wh | Real energy, sum. L1..L3, obtained, rate | [1] |
| 5804 | INT | RD | Wh | Real energy, sum. L1..L3, obtained, rate | [2] |
| 5806 | INT | RD | Wh | Real energy, sum. L1..L3, obtained, rate | [3] |
| 5808 | INT | RD | Wh | Real energy, sum. L1..L3, obtained, rate | [4] |
| 5810 | INT | RD | Wh | Real energy, sum. L1..L3, obtained, rate | [5] |
| 5812 | INT | RD | Wh | Real energy, sum. L1..L3, obtained, rate | [6] |
| 5814 | INT | RD | Wh | Real energy, sum. L1..L3, obtained, rate | [7] |
| 5816 | INT | RD | Wh | Real energy, sum. L1..L3, supplied, rate | [0] |
| 5818 | INT | RD | Wh | Real energy, sum. L1..L3, supplied, rate | [1] |
| 5820 | INT | RD | Wh | Real energy, sum. L1..L3, supplied, rate | [2] |
| 5822 | INT | RD | Wh | Real energy, sum. L1..L3, supplied, rate | [3] |
| 5824 | INT | RD | Wh | Real energy, sum. L1..L3, supplied, rate | [4] |
| 5826 | INT | RD | Wh | Real energy, sum. L1..L3, supplied, rate | [5] |
| 5828 | INT | RD | Wh | Real energy, sum. L1..L3, supplied, rate | [6] |
| 5830 | INT | RD | Wh | Real energy, sum. L1..L3, supplied, rate | [7] |
| 5832 | INT | RD | varh | Reactive energy, sum. L1..L3, rate | [0] |
| 5834 | INT | RD | varh | Reactive energy, sum. L1..L3, rate | [1] |
| 5836 | INT | RD | varh | Reactive energy, sum. L1..L3, rate | [2] |
| 5838 | INT | RD | varh | Reactive energy, sum. L1..L3, rate | [3] |
| 5840 | INT | RD | varh | Reactive energy, sum. L1..L3, rate | [4] |
| 5842 | INT | RD | varh | Reactive energy, sum. L1..L3, rate | [5] |

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index |
|---------|--------|-------|---------|---|-------|
| 5844 | INT | RD | varh | Reactive energy, sum. L1..L3, rate | [6] |
| 5846 | INT | RD | varh | Reactive energy, sum. L1..L3, rate | [7] |
| 5848 | INT | RD | varh | Reactive energy, sum. L1..L3, ind., rate | [0] |
| 5850 | INT | RD | varh | Reactive energy, sum. L1..L3, ind., rate | [1] |
| 5852 | INT | RD | varh | Reactive energy, sum. L1..L3, ind., rate | [2] |
| 5854 | INT | RD | varh | Reactive energy, sum. L1..L3, ind., rate | [3] |
| 5856 | INT | RD | varh | Reactive energy, sum. L1..L3, ind., rate | [4] |
| 5858 | INT | RD | varh | Reactive energy, sum. L1..L3, ind., rate | [5] |
| 5860 | INT | RD | varh | Reactive energy, sum. L1..L3, ind., rate | [6] |
| 5862 | INT | RD | varh | Reactive energy, sum. L1..L3, ind., rate | [7] |
| 5864 | INT | RD | varh | Reactive energy, sum. L1..L3, cap., rate | [0] |
| 5866 | INT | RD | varh | Reactive energy, sum. L1..L3, cap., rate | [1] |
| 5868 | INT | RD | varh | Reactive energy, sum. L1..L3, cap., rate | [2] |
| 5870 | INT | RD | varh | Reactive energy, sum. L1..L3, cap., rate | [3] |
| 5872 | INT | RD | varh | Reactive energy, sum. L1..L3, cap., rate | [4] |
| 5874 | INT | RD | varh | Reactive energy, sum. L1..L3, cap., rate | [5] |
| 5876 | INT | RD | varh | Reactive energy, sum. L1..L3, cap., rate | [6] |
| 5878 | INT | RD | varh | Reactive energy, sum. L1..L3, cap., rate | [7] |
| 5880 | INT | RD | VAh | Apparent energy, sum. L1..L3, rate | [0] |
| 5882 | INT | RD | VAh | Apparent energy, sum. L1..L3, rate | [1] |
| 5884 | INT | RD | VAh | Apparent energy, sum. L1..L3, rate | [2] |
| 5886 | INT | RD | VAh | Apparent energy, sum. L1..L3, rate | [3] |
| 5888 | INT | RD | VAh | Apparent energy, sum. L1..L3, rate | [4] |
| 5890 | INT | RD | VAh | Apparent energy, sum. L1..L3, rate | [5] |
| 5892 | INT | RD | VAh | Apparent energy, sum. L1..L3, rate | [6] |
| 5894 | INT | RD | VAh | Apparent energy, sum. L1..L3, rate | [7] |
| 5896 | INT | RD | sec | Operation hours meter | |
| 10329 | UINT | RD/WR | n | Energy meter (counter, not scaled), impulse input 1 | |
| 10331 | UINT | RD/WR | n | Energy meter (counter, not scaled), impulse input 2 | |
| 10333 | UINT | RD/WR | n | Energy meter (counter, not scaled), impulse input 3 | |

Energie, Typ Float

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index |
|---------|--------|-------|---------|---------------------------------|-------|
| 5000 | FLOAT | RD | Wh | Real energy, L1, rate | [0] |
| 5002 | FLOAT | RD | Wh | Real energy, L1, rate | [1] |
| 5004 | FLOAT | RD | Wh | Real energy, L1, rate | [2] |
| 5006 | FLOAT | RD | Wh | Real energy, L1, rate | [3] |
| 5008 | FLOAT | RD | Wh | Real energy, L1, rate | [4] |
| 5010 | FLOAT | RD | Wh | Real energy, L1, rate | [5] |
| 5012 | FLOAT | RD | Wh | Real energy, L1, rate | [6] |
| 5014 | FLOAT | RD | Wh | Real energy, L1, rate | [7] |
| 5016 | FLOAT | RD | Wh | Real energy, L1, obtained, rate | [0] |
| 5018 | FLOAT | RD | Wh | Real energy, L1, obtained, rate | [1] |
| 5020 | FLOAT | RD | Wh | Real energy, L1, obtained, rate | [2] |
| 5022 | FLOAT | RD | Wh | Real energy, L1, obtained, rate | [3] |
| 5024 | FLOAT | RD | Wh | Real energy, L1, obtained, rate | [4] |
| 5026 | FLOAT | RD | Wh | Real energy, L1, obtained, rate | [5] |
| 5028 | FLOAT | RD | Wh | Real energy, L1, obtained, rate | [6] |
| 5030 | FLOAT | RD | Wh | Real energy, L1, obtained, rate | [7] |
| 5032 | FLOAT | RD | Wh | Real energy, L1, supplied, rate | [0] |
| 5034 | FLOAT | RD | Wh | Real energy, L1, supplied, rate | [1] |
| 5036 | FLOAT | RD | Wh | Real energy, L1, supplied, rate | [2] |
| 5038 | FLOAT | RD | Wh | Real energy, L1, supplied, rate | [3] |
| 5040 | FLOAT | RD | Wh | Real energy, L1, supplied, rate | [4] |
| 5042 | FLOAT | RD | Wh | Real energy, L1, supplied, rate | [5] |
| 5044 | FLOAT | RD | Wh | Real energy, L1, supplied, rate | [6] |
| 5046 | FLOAT | RD | Wh | Real energy, L1, supplied, rate | [7] |
| 5048 | FLOAT | RD | varh | Reactive energy, L1, rate | [0] |
| 5050 | FLOAT | RD | varh | Reactive energy, L1, rate | [1] |
| 5052 | FLOAT | RD | varh | Reactive energy, L1, rate | [2] |
| 5054 | FLOAT | RD | varh | Reactive energy, L1, rate | [3] |
| 5056 | FLOAT | RD | varh | Reactive energy, L1, rate | [4] |
| 5058 | FLOAT | RD | varh | Reactive energy, L1, rate | [5] |
| 5060 | FLOAT | RD | varh | Reactive energy, L1, rate | [6] |
| 5062 | FLOAT | RD | varh | Reactive energy, L1, rate | [7] |
| 5064 | FLOAT | RD | varh | Reactive energy, L1, ind., rate | [0] |
| 5066 | FLOAT | RD | varh | Reactive energy, L1, ind., rate | [1] |
| 5068 | FLOAT | RD | varh | Reactive energy, L1, ind., rate | [2] |
| 5070 | FLOAT | RD | varh | Reactive energy, L1, ind., rate | [3] |
| 5072 | FLOAT | RD | varh | Reactive energy, L1, ind., rate | [4] |
| 5074 | FLOAT | RD | varh | Reactive energy, L1, ind., rate | [5] |
| 5076 | FLOAT | RD | varh | Reactive energy, L1, ind., rate | [6] |
| 5078 | FLOAT | RD | varh | Reactive energy, L1, ind., rate | [7] |
| 5080 | FLOAT | RD | varh | Reactive energy, L1, cap., rate | [0] |
| 5082 | FLOAT | RD | varh | Reactive energy, L1, cap., rate | [1] |
| 5084 | FLOAT | RD | varh | Reactive energy, L1, cap., rate | [2] |
| 5086 | FLOAT | RD | varh | Reactive energy, L1, cap., rate | [3] |
| 5088 | FLOAT | RD | varh | Reactive energy, L1, cap., rate | [4] |
| 5090 | FLOAT | RD | varh | Reactive energy, L1, cap., rate | [5] |
| 5092 | FLOAT | RD | varh | Reactive energy, L1, cap., rate | [6] |
| 5094 | FLOAT | RD | varh | Reactive energy, L1, cap., rate | [7] |
| 5096 | FLOAT | RD | VAh | Apparent energy, L1, rate | [0] |
| 5098 | FLOAT | RD | VAh | Apparent energy, L1, rate | [1] |
| 5100 | FLOAT | RD | VAh | Apparent energy, L1, rate | [2] |
| 5102 | FLOAT | RD | VAh | Apparent energy, L1, rate | [3] |
| 5104 | FLOAT | RD | VAh | Apparent energy, L1, rate | [4] |
| 5106 | FLOAT | RD | VAh | Apparent energy, L1, rate | [5] |
| 5108 | FLOAT | RD | VAh | Apparent energy, L1, rate | [6] |
| 5110 | FLOAT | RD | VAh | Apparent energy, L1, rate | [7] |
| 5112 | FLOAT | RD | Wh | Real energy, L2, rate | [0] |
| 5114 | FLOAT | RD | Wh | Real energy, L2, rate | [1] |
| 5116 | FLOAT | RD | Wh | Real energy, L2, rate | [2] |
| 5118 | FLOAT | RD | Wh | Real energy, L2, rate | [3] |
| 5120 | FLOAT | RD | Wh | Real energy, L2, rate | [4] |
| 5122 | FLOAT | RD | Wh | Real energy, L2, rate | [5] |
| 5124 | FLOAT | RD | Wh | Real energy, L2, rate | [6] |
| 5126 | FLOAT | RD | Wh | Real energy, L2, rate | [7] |
| 5128 | FLOAT | RD | Wh | Real energy, L2, obtained, rate | [0] |
| 5130 | FLOAT | RD | Wh | Real energy, L2, obtained, rate | [1] |

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| 5132 | FLOAT | RD | Wh | Real energy, L2, obtained, rate | [2] |
| 5134 | FLOAT | RD | Wh | Real energy, L2, obtained, rate | [3] |
| 5136 | FLOAT | RD | Wh | Real energy, L2, obtained, rate | [4] |
| 5138 | FLOAT | RD | Wh | Real energy, L2, obtained, rate | [5] |
| 5140 | FLOAT | RD | Wh | Real energy, L2, obtained, rate | [6] |
| 5142 | FLOAT | RD | Wh | Real energy, L2, obtained, rate | [7] |
| 5144 | FLOAT | RD | Wh | Real energy, L2, supplied, rate | [0] |
| 5146 | FLOAT | RD | Wh | Real energy, L2, supplied, rate | [1] |
| 5148 | FLOAT | RD | Wh | Real energy, L2, supplied, rate | [2] |
| 5150 | FLOAT | RD | Wh | Real energy, L2, supplied, rate | [3] |
| 5152 | FLOAT | RD | Wh | Real energy, L2, supplied, rate | [4] |
| 5154 | FLOAT | RD | Wh | Real energy, L2, supplied, rate | [5] |
| 5156 | FLOAT | RD | Wh | Real energy, L2, supplied, rate | [6] |
| 5158 | FLOAT | RD | Wh | Real energy, L2, supplied, rate | [7] |
| 5160 | FLOAT | RD | varh | Reactive energy, L2, rate | [0] |
| 5162 | FLOAT | RD | varh | Reactive energy, L2, rate | [1] |
| 5164 | FLOAT | RD | varh | Reactive energy, L2, rate | [2] |
| 5166 | FLOAT | RD | varh | Reactive energy, L2, rate | [3] |
| 5168 | FLOAT | RD | varh | Reactive energy, L2, rate | [4] |
| 5170 | FLOAT | RD | varh | Reactive energy, L2, rate | [5] |
| 5172 | FLOAT | RD | varh | Reactive energy, L2, rate | [6] |
| 5174 | FLOAT | RD | varh | Reactive energy, L2, rate | [7] |
| 5176 | FLOAT | RD | varh | Reactive energy, L2, ind., rate | [0] |
| 5178 | FLOAT | RD | varh | Reactive energy, L2, ind., rate | [1] |
| 5180 | FLOAT | RD | varh | Reactive energy, L2, ind., rate | [2] |
| 5182 | FLOAT | RD | varh | Reactive energy, L2, ind., rate | [3] |
| 5184 | FLOAT | RD | varh | Reactive energy, L2, ind., rate | [4] |
| 5186 | FLOAT | RD | varh | Reactive energy, L2, ind., rate | [5] |
| 5188 | FLOAT | RD | varh | Reactive energy, L2, ind., rate | [6] |
| 5190 | FLOAT | RD | varh | Reactive energy, L2, ind., rate | [7] |
| 5192 | FLOAT | RD | varh | Reactive energy, L2, cap., rate | [0] |
| 5194 | FLOAT | RD | varh | Reactive energy, L2, cap., rate | [1] |
| 5196 | FLOAT | RD | varh | Reactive energy, L2, cap., rate | [2] |
| 5198 | FLOAT | RD | varh | Reactive energy, L2, cap., rate | [3] |
| 5200 | FLOAT | RD | varh | Reactive energy, L2, cap., rate | [4] |
| 5202 | FLOAT | RD | varh | Reactive energy, L2, cap., rate | [5] |
| 5204 | FLOAT | RD | varh | Reactive energy, L2, cap., rate | [6] |
| 5206 | FLOAT | RD | varh | Reactive energy, L2, cap., rate | [7] |
| 5208 | FLOAT | RD | VAh | Apparent energy, L2, rate | [0] |
| 5210 | FLOAT | RD | VAh | Apparent energy, L2, rate | [1] |
| 5212 | FLOAT | RD | VAh | Apparent energy, L2, rate | [2] |
| 5214 | FLOAT | RD | VAh | Apparent energy, L2, rate | [3] |
| 5216 | FLOAT | RD | VAh | Apparent energy, L2, rate | [4] |
| 5218 | FLOAT | RD | VAh | Apparent energy, L2, rate | [5] |
| 5220 | FLOAT | RD | VAh | Apparent energy, L2, rate | [6] |
| 5222 | FLOAT | RD | VAh | Apparent energy, L2, rate | [7] |
| 5224 | FLOAT | RD | Wh | Real energy, L3, rate | [0] |
| 5226 | FLOAT | RD | Wh | Real energy, L3, rate | [1] |
| 5228 | FLOAT | RD | Wh | Real energy, L3, rate | [2] |
| 5230 | FLOAT | RD | Wh | Real energy, L3, rate | [3] |
| 5232 | FLOAT | RD | Wh | Real energy, L3, rate | [4] |
| 5234 | FLOAT | RD | Wh | Real energy, L3, rate | [5] |
| 5236 | FLOAT | RD | Wh | Real energy, L3, rate | [6] |
| 5238 | FLOAT | RD | Wh | Real energy, L3, rate | [7] |
| 5240 | FLOAT | RD | Wh | Real energy, L3, obtained, rate | [0] |
| 5242 | FLOAT | RD | Wh | Real energy, L3, obtained, rate | [1] |
| 5244 | FLOAT | RD | Wh | Real energy, L3, obtained, rate | [2] |
| 5246 | FLOAT | RD | Wh | Real energy, L3, obtained, rate | [3] |
| 5248 | FLOAT | RD | Wh | Real energy, L3, obtained, rate | [4] |
| 5250 | FLOAT | RD | Wh | Real energy, L3, obtained, rate | [5] |
| 5252 | FLOAT | RD | Wh | Real energy, L3, obtained, rate | [6] |
| 5254 | FLOAT | RD | Wh | Real energy, L3, obtained, rate | [7] |
| 5256 | FLOAT | RD | Wh | Real energy, L3, supplied, rate | [0] |
| 5258 | FLOAT | RD | Wh | Real energy, L3, supplied, rate | [1] |
| 5260 | FLOAT | RD | Wh | Real energy, L3, supplied, rate | [2] |
| 5262 | FLOAT | RD | Wh | Real energy, L3, supplied, rate | [3] |

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| 5264 | FLOAT | RD | Wh | Real energy, L3, supplied, rate | [4] |
| 5266 | FLOAT | RD | Wh | Real energy, L3, supplied, rate | [5] |
| 5268 | FLOAT | RD | Wh | Real energy, L3, supplied, rate | [6] |
| 5270 | FLOAT | RD | Wh | Real energy, L3, supplied, rate | [7] |
| 5272 | FLOAT | RD | varh | Reactive energy, L3, rate | [0] |
| 5274 | FLOAT | RD | varh | Reactive energy, L3, rate | [1] |
| 5276 | FLOAT | RD | varh | Reactive energy, L3, rate | [2] |
| 5278 | FLOAT | RD | varh | Reactive energy, L3, rate | [3] |
| 5280 | FLOAT | RD | varh | Reactive energy, L3, rate | [4] |
| 5282 | FLOAT | RD | varh | Reactive energy, L3, rate | [5] |
| 5284 | FLOAT | RD | varh | Reactive energy, L3, rate | [6] |
| 5286 | FLOAT | RD | varh | Reactive energy, L3, rate | [7] |
| 5288 | FLOAT | RD | varh | Reactive energy, L3, ind., rate | [0] |
| 5290 | FLOAT | RD | varh | Reactive energy, L3, ind., rate | [1] |
| 5292 | FLOAT | RD | varh | Reactive energy, L3, ind., rate | [2] |
| 5294 | FLOAT | RD | varh | Reactive energy, L3, ind., rate | [3] |
| 5296 | FLOAT | RD | varh | Reactive energy, L3, ind., rate | [4] |
| 5298 | FLOAT | RD | varh | Reactive energy, L3, ind., rate | [5] |
| 5300 | FLOAT | RD | varh | Reactive energy, L3, ind., rate | [6] |
| 5302 | FLOAT | RD | varh | Reactive energy, L3, ind., rate | [7] |
| 5304 | FLOAT | RD | varh | Reactive energy, L3, cap., rate | [0] |
| 5306 | FLOAT | RD | varh | Reactive energy, L3, cap., rate | [1] |
| 5308 | FLOAT | RD | varh | Reactive energy, L3, cap., rate | [2] |
| 5310 | FLOAT | RD | varh | Reactive energy, L3, cap., rate | [3] |
| 5312 | FLOAT | RD | varh | Reactive energy, L3, cap., rate | [4] |
| 5314 | FLOAT | RD | varh | Reactive energy, L3, cap., rate | [5] |
| 5316 | FLOAT | RD | varh | Reactive energy, L3, cap., rate | [6] |
| 5318 | FLOAT | RD | varh | Reactive energy, L3, cap., rate | [7] |
| 5320 | FLOAT | RD | VAh | Apparent energy, L3, rate | [0] |
| 5322 | FLOAT | RD | VAh | Apparent energy, L3, rate | [1] |
| 5324 | FLOAT | RD | VAh | Apparent energy, L3, rate | [2] |
| 5326 | FLOAT | RD | VAh | Apparent energy, L3, rate | [3] |
| 5328 | FLOAT | RD | VAh | Apparent energy, L3, rate | [4] |
| 5330 | FLOAT | RD | VAh | Apparent energy, L3, rate | [5] |
| 5332 | FLOAT | RD | VAh | Apparent energy, L3, rate | [6] |
| 5334 | FLOAT | RD | VAh | Apparent energy, L3, rate | [7] |
| 5336 | FLOAT | RD | Wh | Real energy, sum. L1..L3, rate | [0] |
| 5338 | FLOAT | RD | Wh | Real energy, sum. L1..L3, rate | [1] |
| 5340 | FLOAT | RD | Wh | Real energy, sum. L1..L3, rate | [2] |
| 5342 | FLOAT | RD | Wh | Real energy, sum. L1..L3, rate | [3] |
| 5344 | FLOAT | RD | Wh | Real energy, sum. L1..L3, rate | [4] |
| 5346 | FLOAT | RD | Wh | Real energy, sum. L1..L3, rate | [5] |
| 5348 | FLOAT | RD | Wh | Real energy, sum. L1..L3, rate | [6] |
| 5350 | FLOAT | RD | Wh | Real energy, sum. L1..L3, rate | [7] |
| 5352 | FLOAT | RD | Wh | Real energy, sum. L1..L3, obtained, rate | [0] |
| 5354 | FLOAT | RD | Wh | Real energy, sum. L1..L3, obtained, rate | [1] |
| 5356 | FLOAT | RD | Wh | Real energy, sum. L1..L3, obtained, rate | [2] |
| 5358 | FLOAT | RD | Wh | Real energy, sum. L1..L3, obtained, rate | [3] |
| 5360 | FLOAT | RD | Wh | Real energy, sum. L1..L3, obtained, rate | [4] |
| 5362 | FLOAT | RD | Wh | Real energy, sum. L1..L3, obtained, rate | [5] |
| 5364 | FLOAT | RD | Wh | Real energy, sum. L1..L3, obtained, rate | [6] |
| 5366 | FLOAT | RD | Wh | Real energy, sum. L1..L3, obtained, rate | [7] |
| 5368 | FLOAT | RD | Wh | Real energy, sum. L1..L3, supplied, rate | [0] |
| 5370 | FLOAT | RD | Wh | Real energy, sum. L1..L3, supplied, rate | [1] |
| 5372 | FLOAT | RD | Wh | Real energy, sum. L1..L3, supplied, rate | [2] |
| 5374 | FLOAT | RD | Wh | Real energy, sum. L1..L3, supplied, rate | [3] |
| 5376 | FLOAT | RD | Wh | Real energy, sum. L1..L3, supplied, rate | [4] |
| 5378 | FLOAT | RD | Wh | Real energy, sum. L1..L3, supplied, rate | [5] |
| 5380 | FLOAT | RD | Wh | Real energy, sum. L1..L3, supplied, rate | [6] |
| 5382 | FLOAT | RD | Wh | Real energy, sum. L1..L3, supplied, rate | [7] |
| 5384 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, rate | [0] |
| 5386 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, rate | [1] |
| 5388 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, rate | [2] |
| 5390 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, rate | [3] |
| 5392 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, rate | [4] |
| 5394 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, rate | [5] |

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| 5396 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, rate | [6] |
| 5398 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, rate | [7] |
| 5400 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, ind., rate | [0] |
| 5402 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, ind., rate | [1] |
| 5404 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, ind., rate | [2] |
| 5406 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, ind., rate | [3] |
| 5408 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, ind., rate | [4] |
| 5410 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, ind., rate | [5] |
| 5412 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, ind., rate | [6] |
| 5414 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, ind., rate | [7] |
| 5416 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, cap., rate | [0] |
| 5418 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, cap., rate | [1] |
| 5420 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, cap., rate | [2] |
| 5422 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, cap., rate | [3] |
| 5424 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, cap., rate | [4] |
| 5426 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, cap., rate | [5] |
| 5428 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, cap., rate | [6] |
| 5430 | FLOAT | RD | varh | Reactive energy, sum. L1..L3, cap., rate | [7] |
| 5432 | FLOAT | RD | VAh | Apparent energy, sum. L1..L3, rate | [0] |
| 5434 | FLOAT | RD | VAh | Apparent energy, sum. L1..L3, rate | [1] |
| 5436 | FLOAT | RD | VAh | Apparent energy, sum. L1..L3, rate | [2] |
| 5438 | FLOAT | RD | VAh | Apparent energy, sum. L1..L3, rate | [3] |
| 5440 | FLOAT | RD | VAh | Apparent energy, sum. L1..L3, rate | [4] |
| 5442 | FLOAT | RD | VAh | Apparent energy, sum. L1..L3, rate | [5] |
| 5444 | FLOAT | RD | VAh | Apparent energy, sum. L1..L3, rate | [6] |
| 5446 | FLOAT | RD | VAh | Apparent energy, sum. L1..L3, rate | [7] |
| 11475 | FLOAT | RD/WR | VAh | Apparent energy, month high, jan., even year | |
| 11477 | FLOAT | RD/WR | VAh | Apparent energy, month high, feb., even year | |
| 11479 | FLOAT | RD/WR | VAh | Apparent energy, month high, march, even year | |
| 11481 | FLOAT | RD/WR | VAh | Apparent energy, month high, april, even year | |
| 11483 | FLOAT | RD/WR | VAh | Apparent energy, month high, may, even year | |
| 11485 | FLOAT | RD/WR | VAh | Apparent energy, month high, june, even year | |
| 11487 | FLOAT | RD/WR | VAh | Apparent energy, month high, july, even year | |
| 11489 | FLOAT | RD/WR | VAh | Apparent energy, month high, aug., even year | |
| 11491 | FLOAT | RD/WR | VAh | Apparent energy, month high, sep., even year | |
| 11493 | FLOAT | RD/WR | VAh | Apparent energy, month high, oct., even year | |
| 11495 | FLOAT | RD/WR | VAh | Apparent energy, month high, nov., even year | |
| 11497 | FLOAT | RD/WR | VAh | Apparent energy, month high, dec., even year | |
| 11499 | FLOAT | RD/WR | VAh | Apparent energy, month high, jan., uneven year | |
| 11501 | FLOAT | RD/WR | VAh | Apparent energy, month high, feb., uneven year | |
| 11503 | FLOAT | RD/WR | VAh | Apparent energy, month high, march, uneven year | |
| 11505 | FLOAT | RD/WR | VAh | Apparent energy, month high, april, uneven year | |
| 11507 | FLOAT | RD/WR | VAh | Apparent energy, month high, may, uneven year | |
| 11509 | FLOAT | RD/WR | VAh | Apparent energy, month high, june, uneven year | |
| 11511 | FLOAT | RD/WR | VAh | Apparent energy, month high, july, uneven year | |
| 11513 | FLOAT | RD/WR | VAh | Apparent energy, month high, aug., uneven year | |
| 11515 | FLOAT | RD/WR | VAh | Apparent energy, month high, sep., uneven year | |
| 11517 | FLOAT | RD/WR | VAh | Apparent energy, month high, oct., uneven year | |
| 11519 | FLOAT | RD/WR | VAh | Apparent energy, month high, nov., uneven year | |
| 11521 | FLOAT | RD/WR | VAh | Apparent energy, month high, dec., uneven year | |
| 11523 | FLOAT | RD/WR | Wh | Real energy, month high, jan., even year | |
| 11525 | FLOAT | RD/WR | Wh | Real energy, month high, feb., even year | |
| 11527 | FLOAT | RD/WR | Wh | Real energy, month high, march, even year | |
| 11529 | FLOAT | RD/WR | Wh | Real energy, month high, april, even year | |
| 11531 | FLOAT | RD/WR | Wh | Real energy, month high, may, even year | |
| 11533 | FLOAT | RD/WR | Wh | Real energy, month high, june, even year | |
| 11535 | FLOAT | RD/WR | Wh | Real energy, month high, july, even year | |
| 11537 | FLOAT | RD/WR | Wh | Real energy, month high, aug., even year | |
| 11539 | FLOAT | RD/WR | Wh | Real energy, month high, sep., even year | |
| 11541 | FLOAT | RD/WR | Wh | Real energy, month high, oct., even year | |
| 11543 | FLOAT | RD/WR | Wh | Real energy, month high, nov., even year | |
| 11545 | FLOAT | RD/WR | Wh | Real energy, month high, dec., even year | |
| 11547 | FLOAT | RD/WR | Wh | Real energy, month high, jan., uneven year | |
| 11549 | FLOAT | RD/WR | Wh | Real energy, month high, feb., uneven year | |
| 11551 | FLOAT | RD/WR | Wh | Real energy, month high, march, uneven year | |

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| 11553 | FLOAT | RD/WR | Wh | Real energy, month high, april, uneven year | |
| 11555 | FLOAT | RD/WR | Wh | Real energy, month high, may, uneven year | |
| 11557 | FLOAT | RD/WR | Wh | Real energy, month high, june, uneven year | |
| 11559 | FLOAT | RD/WR | Wh | Real energy, month high, july, uneven year | |
| 11561 | FLOAT | RD/WR | Wh | Real energy, month high, aug., uneven year | |
| 11563 | FLOAT | RD/WR | Wh | Real energy, month high, sep., uneven year | |
| 11565 | FLOAT | RD/WR | Wh | Real energy, month high, oct., uneven year | |
| 11567 | FLOAT | RD/WR | Wh | Real energy, month high, nov., uneven year | |
| 11569 | FLOAT | RD/WR | Wh | Real energy, month high, dec., uneven year | |
| 11571 | FLOAT | RD/WR | varh | Reactive energy, month high, jan., even year | |
| 11573 | FLOAT | RD/WR | varh | Reactive energy, month high, feb., even year | |
| 11575 | FLOAT | RD/WR | varh | Reactive energy, month high, march, even year | |
| 11577 | FLOAT | RD/WR | varh | Reactive energy, month high, april, even year | |
| 11579 | FLOAT | RD/WR | varh | Reactive energy, month high, may, even year | |
| 11581 | FLOAT | RD/WR | varh | Reactive energy, month high, june, even year | |
| 11583 | FLOAT | RD/WR | varh | Reactive energy, month high, july, even year | |
| 11585 | FLOAT | RD/WR | varh | Reactive energy, month high, aug., even year | |
| 11587 | FLOAT | RD/WR | varh | Reactive energy, month high, sep., even year | |
| 11589 | FLOAT | RD/WR | varh | Reactive energy, month high, oct., even year | |
| 11591 | FLOAT | RD/WR | varh | Reactive energy, month high, nov., even year | |
| 11593 | FLOAT | RD/WR | varh | Reactive energy, month high, dec., even year | |
| 11595 | FLOAT | RD/WR | varh | Reactive energy, month high, jan., uneven year | |
| 11597 | FLOAT | RD/WR | varh | Reactive energy, month high, feb., even year | |
| 11599 | FLOAT | RD/WR | varh | Reactive energy, month high, march, even year | |
| 11601 | FLOAT | RD/WR | varh | Reactive energy, month high, april, even year | |
| 11603 | FLOAT | RD/WR | varh | Reactive energy, month high, may, even year | |
| 11605 | FLOAT | RD/WR | varh | Reactive energy, month high, june, even year | |
| 11607 | FLOAT | RD/WR | varh | Reactive energy, month high, july, even year | |
| 11609 | FLOAT | RD/WR | varh | Reactive energy, month high, aug, even year | |
| 11611 | FLOAT | RD/WR | varh | Reactive energy, month high, sep., even year | |
| 11613 | FLOAT | RD/WR | varh | Reactive energy, month high, oct., even year | |
| 11615 | FLOAT | RD/WR | varh | Reactive energy, month high, nov., even year | |
| 11617 | FLOAT | RD/WR | varh | Reactive energy, month high, dec., even year | |

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| 5974 | FLOAT | RD | | Current I L1; highest value | |
| 5976 | FLOAT | RD | | Current I L2; highest value | |
| 5978 | FLOAT | RD | | Current I L3; highest value | |
| 5986 | FLOAT | RD | | Apparent power S1 L1N; highest value | |
| 5988 | FLOAT | RD | | Apparent power S2 L2N; highest value | |
| 5990 | FLOAT | RD | | Apparent power S3 L3N; highest value | |
| 5992 | FLOAT | RD | | Apparent power; Sum; Ssum3=S1+S2+S3; highest value | |
| 6002 | FLOAT | RD | | Real power P1 L1N (positiv); highest value | |
| 6004 | FLOAT | RD | | Real power P2 L2N (positiv); highest value | |
| 6006 | FLOAT | RD | | Real power P3 L3N (positiv); highest value | |
| 6008 | FLOAT | RD | | Real power (positiv); Sum; Psum3=P1+P2+P3; highest value | |
| 6018 | FLOAT | RD | | Real power P1 L1N (negative); highest value | |
| 6020 | FLOAT | RD | | Real power P2 L2N (negative); highest value | |
| 6022 | FLOAT | RD | | Real power P3 L3N (negative); highest value | |
| 6024 | FLOAT | RD | | Real power (negative) Sum; Psum3=P1+P2+P3; highest value | |
| 6034 | FLOAT | RD | | Current I L1; second highest value | |
| 6036 | FLOAT | RD | | Current I L2; second highest value | |
| 6038 | FLOAT | RD | | Current I L3; second highest value | |
| 6046 | FLOAT | RD | | Apparent power S1 L1N; second highest value | |
| 6048 | FLOAT | RD | | Apparent power S2 L2N; second highest value | |
| 6050 | FLOAT | RD | | Apparent power S3 L3N; second highest value | |
| 6052 | FLOAT | RD | | Apparent power; Sum; Ssum3=S1+S2+S3; second highest value | |
| 6062 | FLOAT | RD | | Real power P1 L1N (positiv); second highest value | |
| 6064 | FLOAT | RD | | Real power P2 L2N (positiv); second highest value | |
| 6066 | FLOAT | RD | | Real power P3 L3N (positiv); second highest value | |
| 6068 | FLOAT | RD | | Real power (positiv); Sum; Psum3=P1+P2+P3; second highest value | |
| 6078 | FLOAT | RD | | Real power P1 L1N (negative); second highest value | |
| 6080 | FLOAT | RD | | Real power P2 L2N (negative); second highest value | |
| 6082 | FLOAT | RD | | Real power P3 L3N (negative); second highest value | |
| 6084 | FLOAT | RD | | Real power (negative) Sum; Psum3=P1+P2+P3; second highest value | |
| 6094 | FLOAT | RD | | Current I L1; third highest value | |
| 6096 | FLOAT | RD | | Current I L2; third highest value | |
| 6098 | FLOAT | RD | | Current I L3; third highest value | |
| 6106 | FLOAT | RD | | Apparent power S1 L1N; third highest value | |
| 6108 | FLOAT | RD | | Apparent power S2 L2N; third highest value | |
| 6110 | FLOAT | RD | | Apparent power S3 L3N; third highest value | |
| 6112 | FLOAT | RD | | Apparent power; Sum; Ssum3=S1+S2+S3; third highest value | |
| 6122 | FLOAT | RD | | Real power P1 L1N (positiv); third highest value | |
| 6124 | FLOAT | RD | | Real power P2 L2N (positiv); third highest value | |
| 6126 | FLOAT | RD | | Real power P3 L3N (positiv); third highest value | |
| 6128 | FLOAT | RD | | Real power (positiv); Sum; Psum3=P1+P2+P3; third highest value | |
| 6138 | FLOAT | RD | | Real power P1 L1N (negative); third highest value | |
| 6140 | FLOAT | RD | | Real power P2 L2N (negative); third highest value | |
| 6142 | FLOAT | RD | | Real power P3 L3N (negative); third highest value | |
| 6144 | FLOAT | RD | | Real power (negative) Sum; Psum3=P1+P2+P3; third highest value | |
| 5980 | UINT | RD | | Time of Current I L1; highest value | |
| 5982 | UINT | RD | | Time of Current I L2; highest value | |
| 5984 | UINT | RD | | Time of Current I L3; highest value | |
| 5994 | UINT | RD | | Time of Apparent power S1 L1N; highest value | |
| 5996 | UINT | RD | | Time of Apparent power S2 L2N; highest value | |
| 5998 | UINT | RD | | Time of Apparent power S3 L3N; highest value | |
| 6000 | UINT | RD | | Time of Apparent power; Sum; Ssum3=S1+S2+S3; highest value | |
| 6010 | UINT | RD | | Time of Real power P1 L1N (positiv); highest value | |
| 6012 | UINT | RD | | Time of Real power P2 L2N (positiv); highest value | |
| 6014 | UINT | RD | | Time of Real power P3 L3N (positiv); highest value | |
| 6016 | UINT | RD | | Time of Real power (positiv); Sum; Psum3=P1+P2+P3; highest value | |
| 6026 | UINT | RD | | Time of Real power P1 L1N (negative); highest value | |
| 6028 | UINT | RD | | Time of Real power P2 L2N (negative); highest value | |
| 6030 | UINT | RD | | Time of Real power P3 L3N (negative); highest value | |
| 6032 | UINT | RD | | Time of Real power (negative) Sum; Psum3=P1+P2+P3; highest value | |
| 6040 | UINT | RD | | Time of Current I L1; second highest value | |
| 6042 | UINT | RD | | Time of Current I L2; second highest value | |

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|---------|--------|-------|---------|---|-------|
| 6044 | UINT | RD | | Time of Current I L3; second highest value | |
| 6054 | UINT | RD | | Time of Apparent power S1 L1N; second highest value | |
| 6056 | UINT | RD | | Time of Apparent power S2 L2N; second highest value | |
| 6058 | UINT | RD | | Time of Apparent power S3 L3N; second highest value | |
| 6060 | UINT | RD | | Time of Apparent power; Sum; $S_{sum3}=S1+S2+S3$; second highest value | |
| 6070 | UINT | RD | | Time of Real power P1 L1N (positiv); second highest value | |
| 6072 | UINT | RD | | Time of Real power P2 L2N (positiv); second highest value | |
| 6074 | UINT | RD | | Time of Real power P3 L3N (positiv); second highest value | |
| 6076 | UINT | RD | | Time of Real power (positiv); Sum; $P_{sum3}=P1+P2+P3$; second highest value | |
| 6086 | UINT | RD | | Time of Real power P1 L1N (negative); second highest value | |
| 6088 | UINT | RD | | Time of Real power P2 L2N (negative); second highest value | |
| 6090 | UINT | RD | | Time of Real power P3 L3N (negative); second highest value | |
| 6092 | UINT | RD | | Time of Real power (negative) Sum; $P_{sum3}=P1+P2+P3$; second highest value | |
| 6100 | UINT | RD | | Time of Current I L1; third highest value | |
| 6102 | UINT | RD | | Time of Current I L2; third highest value | |
| 6104 | UINT | RD | | Time of Current I L3; third highest value | |
| 6114 | UINT | RD | | Time of Apparent power S1 L1N; third highest value | |
| 6116 | UINT | RD | | Time of Apparent power S2 L2N; third highest value | |
| 6118 | UINT | RD | | Time of Apparent power S3 L3N; third highest value | |
| 6120 | UINT | RD | | Time of Apparent power; Sum; $S_{sum3}=S1+S2+S3$; third highest value | |
| 6130 | UINT | RD | | Time of Real power P1 L1N (positiv); third highest value | |
| 6132 | UINT | RD | | Time of Real power P2 L2N (positiv); third highest value | |
| 6134 | UINT | RD | | Time of Real power P3 L3N (positiv); third highest value | |
| 6136 | UINT | RD | | Time of Real power (positiv); Sum; $P_{sum3}=P1+P2+P3$; third highest value | |
| 6146 | UINT | RD | | Time of Real power P1 L1N (negative); third highest value | |
| 6148 | UINT | RD | | Time of Real power P2 L2N (negative); third highest value | |
| 6150 | UINT | RD | | Time of Real power P3 L3N (negative); third highest value | |
| 6152 | UINT | RD | | Time of Real power (negative) Sum; $P_{sum3}=P1+P2+P3$; third highest value | |

Sonstige Werte

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|---------|--------|-------|---------|---|-------|
| 11623 | SHORT | | | I5: residual current transformer connection (AC only) 0 = no error, 1 = connection error | |
| 11624 | SHORT | | | I6: residual current transformer connection (AC only) 0 = no error, 1 = connection error | |
| 20000 | SHORT | | | Calib key | |
| 20006 | FLOAT | | A | TDD full load current L4 | |
| 20981 | SHORT | | s | _COMP_DIFF_TYPE0 | |
| 20982 | SHORT | | s | _COMP_DIFF_REF_ADDR0 | |
| 20983 | FLOAT | | s | _COMP_DIFF_PER_DEV0 | |
| 20985 | SHORT | | s | _COMP_DIFF_DEV_CNT0 | |
| 20986 | FLOAT | | s | _COMP_DIFF_CUR_PER0 | |
| 20988 | FLOAT | | s | _COMP_DIFF_CUR_OFFSET0 | |
| 20990 | FLOAT | | s | _COMP_DIFF_TOLERANCE0 | |
| 20992 | FLOAT | | s | _COMP_DIFF_WARNLEVEL0 | |
| 20994 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD0 | [0] |
| 20996 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD0 | [1] |
| 20998 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD0 | [2] |
| 21000 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD0 | [3] |
| 21002 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD0 | [4] |
| 21004 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD0 | [5] |
| 21006 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD0 | [6] |
| 21008 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD0 | [7] |
| 21010 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD0 | [8] |
| 21012 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD0 | [9] |
| 21014 | FLOAT | | s | _COMP_DIFF_STEPS0 | [0] |
| 21016 | FLOAT | | s | _COMP_DIFF_STEPS0 | [1] |
| 21018 | FLOAT | | s | _COMP_DIFF_STEPS0 | [2] |
| 21020 | FLOAT | | s | _COMP_DIFF_STEPS0 | [3] |
| 21022 | FLOAT | | s | _COMP_DIFF_STEPS0 | [4] |
| 21024 | FLOAT | | s | _COMP_DIFF_STEPS0 | [5] |
| 21026 | FLOAT | | s | _COMP_DIFF_STEPS0 | [6] |
| 21028 | FLOAT | | s | _COMP_DIFF_STEPS0 | [7] |
| 21030 | FLOAT | | s | _COMP_DIFF_STEPS0 | [8] |
| 21032 | FLOAT | | s | _COMP_DIFF_STEPS0 | [9] |
| 21034 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD0 | |
| 21036 | FLOAT | | s | _COMP_DIFF_MIN_TIME0 | |
| 21038 | SHORT | | s | _COMP_DIFF_TYPE1 | |
| 21039 | SHORT | | s | _COMP_DIFF_REF_ADDR1 | |
| 21040 | FLOAT | | s | _COMP_DIFF_PER_DEV1 | |
| 21042 | SHORT | | s | _COMP_DIFF_DEV_CNT1 | |
| 21043 | FLOAT | | s | _COMP_DIFF_CUR_PER1 | |
| 21045 | FLOAT | | s | _COMP_DIFF_CUR_OFFSET1 | |
| 21047 | FLOAT | | s | _COMP_DIFF_TOLERANCE1 | |
| 21049 | FLOAT | | s | _COMP_DIFF_WARNLEVEL1 | |
| 21051 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD1 | [0] |
| 21053 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD1 | [1] |
| 21055 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD1 | [2] |
| 21057 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD1 | [3] |
| 21059 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD1 | [4] |
| 21061 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD1 | [5] |
| 21063 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD1 | [6] |
| 21065 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD1 | [7] |
| 21067 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD1 | [8] |
| 21069 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD1 | [9] |
| 21071 | FLOAT | | s | _COMP_DIFF_STEPS1 | [0] |
| 21073 | FLOAT | | s | _COMP_DIFF_STEPS1 | [1] |
| 21075 | FLOAT | | s | _COMP_DIFF_STEPS1 | [2] |
| 21077 | FLOAT | | s | _COMP_DIFF_STEPS1 | [3] |
| 21079 | FLOAT | | s | _COMP_DIFF_STEPS1 | [4] |
| 21081 | FLOAT | | s | _COMP_DIFF_STEPS1 | [5] |
| 21083 | FLOAT | | s | _COMP_DIFF_STEPS1 | [6] |
| 21085 | FLOAT | | s | _COMP_DIFF_STEPS1 | [7] |
| 21087 | FLOAT | | s | _COMP_DIFF_STEPS1 | [8] |

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|---------|--------|-------|---------|--|-----------------------------------|
| 21089 | FLOAT | | s | _COMP_DIFF_STEPS1 | [9] |
| 21091 | FLOAT | | s | _COMP_DIFF_CUR_THRESHOLD1 | |
| 21093 | FLOAT | | s | _COMP_DIFF_MIN_TIME1 | |
| 21095 | SHORT | | | _COMP_DIFF_STATUS0 Alarm status for I5 with: Bit 0 = 1: Warning Bit 1 = 1: Overcurrent Bit 2 = 1: Alarm Bit 3 = 1: CT not connected | |
| 21096 | SHORT | | | _COMP_DIFF_STATUS1 Alarm status for I6 with: Bit 0 = 1: Warning Bit 1 = 1: Overcurrent Bit 2 = 1: Alarm Bit 3 = 1: CT not connected | |
| 21097 | FLOAT | | s | _COMP_DIFF_RUN_TIME0 (overcurrent duration diff0) | |
| 21099 | FLOAT | | s | _COMP_DIFF_RUN_TIME1 (overcurrent duration diff0) | |
| 21101 | FLOAT | | s | _COMP_DIFF_LIMIT0 (Real Threshold Diff 0) | |
| 21103 | FLOAT | | s | _COMP_DIFF_LIMIT1 (Real Threshold Diff 1) | |
| 21105 | SHORT | | s | _EVENT_COMP_EXCEED_TIME (Minimal event time before signaling) | |
| 21106 | FLOAT | | | Upper limit event comparators (U1-U3,I1-I4,Diff1/2) | [0] |
| 21108 | FLOAT | | | Upper limit event comparators (U1-U3,I1-I4,Diff1/2) | [1] |
| 21110 | FLOAT | | | Upper limit event comparators (U1-U3,I1-I4,Diff1/2) | [2] |
| 21112 | FLOAT | | | Upper limit event comparators (U1-U3,I1-I4,Diff1/2) | [3] |
| 21114 | FLOAT | | | Upper limit event comparators (U1-U3,I1-I4,Diff1/2) | [4] |
| 21116 | FLOAT | | | Upper limit event comparators (U1-U3,I1-I4,Diff1/2) | [5] |
| 21118 | FLOAT | | | Upper limit event comparators (U1-U3,I1-I4,Diff1/2) | [6] |
| 21120 | FLOAT | | | Upper limit event comparators (U1-U3,I1-I4,Diff1/2) | [7] |
| 21122 | FLOAT | | | Upper limit event comparators (U1-U3,I1-I4,Diff1/2) | [8] |
| 21124 | FLOAT | | | Lower limit event comparators (U1-U3) | [0] |
| 21126 | FLOAT | | | Lower limit event comparators (U1-U3) | [1] |
| 21128 | FLOAT | | | Lower limit event comparators (U1-U3) | [2] |
| 21130 | INT | | | Bitwise event comparator output | |
| 21196 | INT | | | 1 = Delete all recordings | |
| 21198 | custom | | | Read recordings (func 23) | |
| 21200 | INT | | | 1 = Delete all event recordings | |
| 21202 | custom | | | Read events (func 23) | |
| 21204 | SHORT | | | _RTC_STATUS | |
| 21205 | SHORT | | | Release | |
| 21213 | DOUBLE | | ms | _DATA_STIME | |
| 21217 | DOUBLE | | ms | _DATA_ETIME | |
| 21245 | SHORT | | | Select type of differential input measurement | [0] |
| 21246 | SHORT | | | Select type of differential input measurement | [1] |
| 21247 | SHORT | | v | Differential input gain: 0(5), 1(22), 2(52), 3(64) | [0] |
| 21248 | SHORT | | v | Differential input gain: 0(5), 1(22), 2(52), 3(64) | [1] |
| 21249 | SHORT | | | Thermoelement configuration | |
| 21250 | SHORT | | | Thermoelement configuration | |
| 21251 | SHORT | | | Key1 | |
| 21252 | SHORT | | | Key2 | |
| 21253 | LONG64 | | | Realtime (2ns) | |
| 21257 | SHORT | | | Boot release | |
| 21258 | FLOAT | | | Offset for thermoelement measurements 1 | |
| 21260 | FLOAT | | | Offset for thermoelement measurements 2 | |
| 21262 | USHORT | | | _BASE_RELEASE | Firmwarerelease der Basis-Platine |
| 25418 | SHORT | | | _RESET | |
| 25500 | STRING | | | _DEV_NAME | |
| 25532 | STRING | | | _DEV_DESC | |
| 25596 | INT | | | System Uptime | |
| 25598 | FLOAT | | | SNMP User Variables 0 | |

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|---------|--------|-------|---------|--|-------|
| 25600 | FLOAT | | | SNMP User Variables 1 | |
| 25602 | FLOAT | | | SNMP User Variables 2 | |
| 25604 | FLOAT | | | SNMP User Variables 3 | |
| 25606 | FLOAT | | | SNMP User Variables 4 | |
| 25608 | FLOAT | | | SNMP User Variables 5 | |
| 25610 | FLOAT | | | SNMP User Variables 6 | |
| 25612 | FLOAT | | | SNMP User Variables 7 | |
| 25614 | FLOAT | | | SNMP User Variables 8 | |
| 25616 | FLOAT | | | SNMP User Variables 9 | |
| 25618 | FLOAT | | | SNMP User Variables 10 | |
| 25620 | FLOAT | | | SNMP User Variables 11 | |
| 25622 | FLOAT | | | SNMP User Variables 12 | |
| 25624 | FLOAT | | | SNMP User Variables 13 | |
| 25626 | FLOAT | | | SNMP User Variables 14 | |
| 25628 | FLOAT | | | SNMP User Variables 15 | |
| 25630 | STRING | | 32 | UMG Hostname | |
| 25646 | STRING | | 32 | Device ip address (change restarts system) | |
| 25662 | STRING | | 32 | Device netmask (change restarts system) | |
| 25678 | STRING | | 32 | Device gateway ip address (change restarts system) | |
| 25694 | STRING | | 32 | Update address for boodloader | |
| 25710 | STRING | | 18 | Update ethernet address | |
| 25719 | INT | | | Set device to dhcp network config (change restarts system) (0,1) | |
| 25721 | STRING | | 16 | Device DNS server IP | |
| 25729 | BYTE | | | Listen to NTP broadcast (1/0) | |
| 25730 | STRING | | 32 | NTP Server 1 | |
| 25746 | STRING | | 32 | NTP Server 2 | |
| 25762 | STRING | | 32 | NTP Server 3 | |
| 25778 | STRING | | 32 | NTP Server 4 | |
| 25794 | STRING | | 32 | NTP Server 5 | |
| 25810 | STRING | | 32 | NTP Server 6 | |
| 25826 | STRING | | 32 | NTP Server 7 | |
| 25842 | STRING | | 32 | NTP Server 8 | |
| 25860 | INT | | | SNMP Trap server ip | |
| 25862 | INT | | | BACNet instance | |
| 25864 | INT | | s | BACNet send i am time | |
| 25866 | STRING | | 16 | Language | |
| 25874 | INT | | | Serial-Nr. | |
| 25876 | STRING | | 128 | SMTP Mailserver address | |
| 25940 | SHORT | | | SMTP Mailserver port | |
| 25941 | INT | | | SMTP Mailserver authorization mode: 0=none, 1=plain, 2=login, 3=cram-md5 | |
| 25943 | STRING | | 128 | SMTP Mailserver user | |
| 26007 | STRING | | 128 | SMTP Mailserver pass | |
| 26071 | STRING | | 48 | Mail_from Adress | |
| 26095 | STRING | | 256 | Mail_to Adress(es) | |
| 26223 | STRING | | 256 | Mail error STRING | |
| 26351 | SHORT | | | Enable Mail for event (0-4=Comparator1-5, 5=Undervoltage, 6=Overvoltage, 7=Overcurrent) | |
| 26352 | SHORT | | | Enable Mail for event (0-4=Comparator1-5, 5=Undervoltage, 6=Overvoltage, 7=Overcurrent) | |
| 26353 | SHORT | | | Enable Mail for event (0-4=Comparator1-5, 5=Undervoltage, 6=Overvoltage, 7=Overcurrent) | |
| 26354 | SHORT | | | Enable Mail for event (0-4=Comparator1-5, 5=Undervoltage, 6=Overvoltage, 7=Overcurrent) | |
| 26355 | SHORT | | | Enable Mail for event (0-4=Comparator1-5, 5=Undervoltage, 6=Overvoltage, 7=Overcurrent) | |
| 26356 | SHORT | | | Enable Mail for event (0-4=Comparator1-5, 5=Undervoltage, 6=Overvoltage, 7=Overcurrent) | |
| 26357 | SHORT | | | Enable Mail for event (0-4=Comparator1-5, 5=Undervoltage, 6=Overvoltage, 7=Overcurrent) | |
| 26358 | SHORT | | | Enable Mail for event (0-4=Comparator1-5, 5=Undervoltage, 6=Overvoltage, 7=Overcurrent) | |
| 26359 | STRING | | 128 | Mail subject for Comparator 1 output | |
| 26423 | STRING | | 128 | Mail subject for Comparator 2 output | |
| 26487 | STRING | | 128 | Mail subject for Comparator 3 output | |
| 26551 | STRING | | 128 | Mail subject for Comparator 4 output | |
| 26615 | STRING | | 128 | Mail subject for Comparator 5 output | |

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|---------|--------|-------|---------|---|-------|
| 26679 | STRING | | 128 | Mail subject for undervoltage event | |
| 26743 | STRING | | 128 | Mail subject for overvoltage event | |
| 26807 | STRING | | 128 | Mail subject for overcurrent event | |
| 26871 | STRING | | 400 | Mail text for Comparator 1 output | |
| 27071 | STRING | | 400 | Mail text for Comparator 2 output | |
| 27271 | STRING | | 400 | Mail text for Comparator 3 output | |
| 27471 | STRING | | 400 | Mail text for Comparator 4 output | |
| 27671 | STRING | | 400 | Mail text for Comparator 5 output | |
| 27871 | STRING | | 400 | Mail text for undervoltage event | |
| 28071 | STRING | | 400 | Mail text for overvoltage event | |
| 28271 | STRING | | 400 | Mail text for overcurrent event | |
| 28471 | INT | | | IP of Bacnet Broadcast Management device (BBMD) for foreign device registration | |
| 28473 | SHORT | | | Port of Bacnet Broadcast Management device (BBMD) for foreign device registration | |
| 28474 | LONG64 | | | Ethernet address (uLONG) | |
| 28478 | SHORT | | | BACnet network number for vnet. Set to 0 to reset to unique value. | |
| 28479 | SHORT | | | BACnet network number for vnet. Set to 0 to reset to unique value. | |
| 29000 | CUSTOM | | | Update for device module | |

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|---------|--------|-------|---------|--|--------------------------|----------------|
| 10259 | INT | RD | s | Total running time, comparator F, comparator group 2 (integer) | | |
| 10261 | INT | RD | s | Total running time, comparator G, comparator group 2 (integer) | | |
| 10263 | INT | RD | s | Total running time, comparator H, comparator group 2 (integer) | | |
| 10265 | INT | RD | s | Total running time, comparator I, comparator group 2 (integer) | | |
| 10267 | INT | RD | s | Total running time, comparator J, comparator group 2 (integer) | | |
| 10269 | INT | RD | s | Total running time, comparator A, comparator group 3 (integer) | | |
| 10271 | INT | RD | s | Total running time, comparator B, comparator group 3 (integer) | | |
| 10273 | INT | RD | s | Total running time, comparator C, comparator group 3 (integer) | | |
| 10275 | INT | RD | s | Total running time, comparator D, comparator group 3 (integer) | | |
| 10277 | INT | RD | s | Total running time, comparator E, comparator group 3 (integer) | | |
| 10279 | INT | RD | s | Total running time, comparator F, comparator group 3 (integer) | | |
| 10281 | INT | RD | s | Total running time, comparator G, comparator group 3 (integer) | | |
| 10283 | INT | RD | s | Total running time, comparator H, comparator group 3 (integer) | | |
| 10285 | INT | RD | s | Total running time, comparator I, comparator group 3 (integer) | | |
| 10287 | INT | RD | s | Total running time, comparator J, comparator group 3 (integer) | | |
| 10289 | INT | RD | s | Total running time, comparator A, comparator group 4 (integer) | | |
| 10291 | INT | RD | s | Total running time, comparator B, comparator group 4 (integer) | | |
| 10293 | INT | RD | s | Total running time, comparator C, comparator group 4 (integer) | | |
| 10295 | INT | RD | s | Total running time, comparator D, comparator group 4 (integer) | | |
| 10297 | INT | RD | s | Total running time, comparator E, comparator group 4 (integer) | | |
| 10299 | INT | RD | s | Total running time, comparator F, comparator group 4 (integer) | | |
| 10301 | INT | RD | s | Total running time, comparator G, comparator group 4 (integer) | | |
| 10303 | INT | RD | s | Total running time, comparator H, comparator group 4 (integer) | | |
| 10305 | INT | RD | s | Total running time, comparator I, comparator group 4 (integer) | | |
| 10307 | INT | RD | s | Total running time, comparator J, comparator group 4 (integer) | | |
| 10309 | INT | RD | s | Total running time, comparator A, comparator group 5 (integer) | | |
| 10311 | INT | RD | s | Total running time, comparator B, comparator group 5 (integer) | | |
| 10313 | INT | RD | s | Total running time, comparator C, comparator group 5 (integer) | | |
| 10315 | INT | RD | s | Total running time, comparator D, comparator group 5 (integer) | | |
| 10317 | INT | RD | s | Total running time, comparator E, comparator group 5 (integer) | | |
| 10319 | INT | RD | s | Total running time, comparator F, comparator group 5 (integer) | | |
| 10321 | INT | RD | s | Total running time, comparator G, comparator group 5 (integer) | | |
| 10323 | INT | RD | s | Total running time, comparator H, comparator group 5 (integer) | | |
| 10325 | INT | RD | s | Total running time, comparator I, comparator group 5 (integer) | | |
| 10327 | INT | RD | s | Total running time, comparator J, comparator group 5 (integer) | | |
| 20711 | SHORT | RD/WR | s | Min exceed time comparator 1 | 0 .. 32000 | 0 |
| 20712 | SHORT | RD/WR | s | Min set time comparator 1 | 0 .. 32000 | 0 |
| 20713 | SHORT | RD/WR | | Results of the comparator group 1 Combine A...J (0=OR, 1=AND) | 0,1 | 0 |
| 20714 | FLOAT | RD/WR | | Comparator 1A, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20716 | FLOAT | RD/WR | | Comparator 1B, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20718 | FLOAT | RD/WR | | Comparator 1C, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20720 | FLOAT | RD/WR | | Comparator 1D, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20722 | FLOAT | RD/WR | | Comparator 1E, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20724 | FLOAT | RD/WR | | Comparator 1F, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20726 | FLOAT | RD/WR | | Comparator 1G, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20728 | FLOAT | RD/WR | | Comparator 1H, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20730 | FLOAT | RD/WR | | Comparator 1I, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20732 | FLOAT | RD/WR | | Comparator 1J, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20734 | SHORT | RD/WR | | Comparator 1A, address of measurement value | 0 .. 32000 | 0 |
| 20735 | SHORT | RD/WR | | Comparator 1B, address of measurement value | 0 .. 32000 | 0 |
| 20736 | SHORT | RD/WR | | Comparator 1C, address of measurement value | 0 .. 32000 | 0 |
| 20737 | SHORT | RD/WR | | Comparator 1D, address of measurement value | 0 .. 32000 | 0 |
| 20738 | SHORT | RD/WR | | Comparator 1E, address of measurement value | 0 .. 32000 | 0 |
| 20739 | SHORT | RD/WR | | Comparator 1F, address of measurement value | 0 .. 32000 | 0 |
| 20740 | SHORT | RD/WR | | Comparator 1G, address of measurement value | 0 .. 32000 | 0 |
| 20741 | SHORT | RD/WR | | Comparator 1H, address of measurement value | 0 .. 32000 | 0 |
| 20742 | SHORT | RD/WR | | Comparator 1I, address of measurement value | 0 .. 32000 | 0 |
| 20743 | SHORT | RD/WR | | Comparator 1J, address of measurement value | 0 .. 32000 | 0 |
| 20744 | SHORT | RD/WR | | Comparator 1A, inverted | 0, 1 | 0 |
| 20745 | SHORT | RD/WR | | Comparator 1B, inverted | 0, 1 | 0 |
| 20746 | SHORT | RD/WR | | Comparator 1C, inverted | 0, 1 | 0 |
| 20747 | SHORT | RD/WR | | Comparator 1D, inverted | 0, 1 | 0 |
| 20748 | SHORT | RD/WR | | Comparator 1E, inverted | 0, 1 | 0 |
| 20749 | SHORT | RD/WR | | Comparator 1F, inverted | 0, 1 | 0 |

| Adresse | Format | RD/WR | Einheit | Bemerkung | Einstellbereich | Voreinstellung |
|---------|--------|-------|---------|--|--------------------------|----------------|
| 20750 | SHORT | RD/WR | | Comparator 1G, inverted | 0, 1 | 0 |
| 20751 | SHORT | RD/WR | | Comparator 1H, inverted | 0, 1 | 0 |
| 20752 | SHORT | RD/WR | | Comparator 1I, inverted | 0, 1 | 0 |
| 20753 | SHORT | RD/WR | | Comparator 1J, inverted | 0, 1 | 0 |
| 20754 | SHORT | RD/WR | s | Min. exceed time comparator 2 | 0 .. 32000 | 0 |
| 20755 | SHORT | RD/WR | s | Min. set time comparator 2 | 0 .. 32000 | 0 |
| 20756 | SHORT | RD/WR | | Results of the comparator group 2 Combine A...J (0=OR, 1=AND) | 0,1 | 0 |
| 20757 | FLOAT | RD/WR | | Comparator 2A, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20759 | FLOAT | RD/WR | | Comparator 2B, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20761 | FLOAT | RD/WR | | Comparator 2C, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20763 | FLOAT | RD/WR | | Comparator 2D, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20765 | FLOAT | RD/WR | | Comparator 2E, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20767 | FLOAT | RD/WR | | Comparator 2F, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20769 | FLOAT | RD/WR | | Comparator 2G, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20771 | FLOAT | RD/WR | | Comparator 2H, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20773 | FLOAT | RD/WR | | Comparator 2I, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20775 | FLOAT | RD/WR | | Comparator 2J, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20777 | SHORT | RD/WR | | Comparator 2A, address of measurement value | 0 .. 32000 | 0 |
| 20778 | SHORT | RD/WR | | Comparator 2B, address of measurement value | 0 .. 32000 | 0 |
| 20779 | SHORT | RD/WR | | Comparator 2C, address of measurement value | 0 .. 32000 | 0 |
| 20780 | SHORT | RD/WR | | Comparator 2D, address of measurement value | 0 .. 32000 | 0 |
| 20781 | SHORT | RD/WR | | Comparator 2E, address of measurement value | 0 .. 32000 | 0 |
| 20782 | SHORT | RD/WR | | Comparator 2F, address of measurement value | 0 .. 32000 | 0 |
| 20783 | SHORT | RD/WR | | Comparator 2G, address of measurement value | 0 .. 32000 | 0 |
| 20784 | SHORT | RD/WR | | Comparator 2H, address of measurement value | 0 .. 32000 | 0 |
| 20785 | SHORT | RD/WR | | Comparator 2I, address of measurement value | 0 .. 32000 | 0 |
| 20786 | SHORT | RD/WR | | Comparator 2J, address of measurement value | 0 .. 32000 | 0 |
| 20787 | SHORT | RD/WR | | Comparator 2A, inverted | 0, 1 | 0 |
| 20788 | SHORT | RD/WR | | Comparator 2B, inverted | 0, 1 | 0 |
| 20789 | SHORT | RD/WR | | Comparator 2C, inverted | 0, 1 | 0 |
| 20790 | SHORT | RD/WR | | Comparator 2D, inverted | 0, 1 | 0 |
| 20791 | SHORT | RD/WR | | Comparator 2E, inverted | 0, 1 | 0 |
| 20792 | SHORT | RD/WR | | Comparator 2F, inverted | 0, 1 | 0 |
| 20793 | SHORT | RD/WR | | Comparator 2G, inverted | 0, 1 | 0 |
| 20794 | SHORT | RD/WR | | Comparator 2H, inverted | 0, 1 | 0 |
| 20795 | SHORT | RD/WR | | Comparator 2I, inverted | 0, 1 | 0 |
| 20796 | SHORT | RD/WR | | Comparator 2J, inverted | 0, 1 | 0 |
| 20797 | SHORT | RD/WR | s | Min. exceed time comparator 3 | 0 .. 32000 | 0 |
| 20798 | SHORT | RD/WR | s | Min. set time comparator 2 | 0 .. 32000 | 0 |
| 20799 | SHORT | RD/WR | | Results of the comparator group 3 Combine A...J (0=OR, 1=AND) | 0,1 | 0 |
| 20800 | FLOAT | RD/WR | | Comparator 3A, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20802 | FLOAT | RD/WR | | Comparator 3B, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20804 | FLOAT | RD/WR | | Comparator 3C, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20806 | FLOAT | RD/WR | | Comparator 3D, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20808 | FLOAT | RD/WR | | Comparator 3E, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20810 | FLOAT | RD/WR | | Comparator 3F, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20812 | FLOAT | RD/WR | | Comparator 3G, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20814 | FLOAT | RD/WR | | Comparator 3H, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20816 | FLOAT | RD/WR | | Comparator 3I, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20818 | FLOAT | RD/WR | | Comparator 3J, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20820 | SHORT | RD/WR | | Comparator 3A, address of measurement value | 0 .. 32000 | 0 |
| 20821 | SHORT | RD/WR | | Comparator 3B, address of measurement value | 0 .. 32000 | 0 |
| 20822 | SHORT | RD/WR | | Comparator 3C, address of measurement value | 0 .. 32000 | 0 |
| 20823 | SHORT | RD/WR | | Comparator 3D, address of measurement value | 0 .. 32000 | 0 |
| 20824 | SHORT | RD/WR | | Comparator 3E, address of measurement value | 0 .. 32000 | 0 |
| 20825 | SHORT | RD/WR | | Comparator 3F, address of measurement value | 0 .. 32000 | 0 |
| 20826 | SHORT | RD/WR | | Comparator 3G, address of measurement value | 0 .. 32000 | 0 |
| 20827 | SHORT | RD/WR | | Comparator 3H, address of measurement value | 0 .. 32000 | 0 |
| 20828 | SHORT | RD/WR | | Comparator 3I, address of measurement value | 0 .. 32000 | 0 |
| 20829 | SHORT | RD/WR | | Comparator 3J, address of measurement value | 0 .. 32000 | 0 |
| 20830 | SHORT | RD/WR | | Comparator 3A, inverted | 0, 1 | 0 |
| 20831 | SHORT | RD/WR | | Comparator 3B, inverted | 0, 1 | 0 |

| Adresse | Format | RD/WR | Einheit | Bemerkung | Einstellbereich | Voreinstellung |
|---------|--------|-------|---------|--|--------------------------|----------------|
| 20832 | SHORT | RD/WR | | Comparator 3C, inverted | 0, 1 | 0 |
| 20833 | SHORT | RD/WR | | Comparator 3D, inverted | 0, 1 | 0 |
| 20834 | SHORT | RD/WR | | Comparator 3E, inverted | 0, 1 | 0 |
| 20835 | SHORT | RD/WR | | Comparator 3F, inverted | 0, 1 | 0 |
| 20836 | SHORT | RD/WR | | Comparator 3G, inverted | 0, 1 | 0 |
| 20837 | SHORT | RD/WR | | Comparator 3H, inverted | 0, 1 | 0 |
| 20838 | SHORT | RD/WR | | Comparator 3I, inverted | 0, 1 | 0 |
| 20839 | SHORT | RD/WR | | Comparator 3J, inverted | 0, 1 | 0 |
| 20840 | SHORT | RD/WR | s | Min. exceed time comparator 4 | 0 .. 32000 | 0 |
| 20841 | SHORT | RD/WR | s | Min set time comparator 4 | 0 .. 32000 | 0 |
| 20842 | SHORT | RD/WR | | Results of the comparator group 4 Combine A...J (0=OR, 1=AND) | 0,1 | 0 |
| 20843 | FLOAT | RD/WR | | Comparator 4A, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20845 | FLOAT | RD/WR | | Comparator 4B, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20847 | FLOAT | RD/WR | | Comparator 4C, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20849 | FLOAT | RD/WR | | Comparator 4D, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20851 | FLOAT | RD/WR | | Comparator 4E, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20853 | FLOAT | RD/WR | | Comparator 4F, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20855 | FLOAT | RD/WR | | Comparator 4G, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20857 | FLOAT | RD/WR | | Comparator 4H, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20859 | FLOAT | RD/WR | | Comparator 4I, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20861 | FLOAT | RD/WR | | Comparator 4J, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20863 | SHORT | RD/WR | | Comparator 4A, address of measurement value | 0 .. 32000 | 0 |
| 20864 | SHORT | RD/WR | | Comparator 4B, address of measurement value | 0 .. 32000 | 0 |
| 20865 | SHORT | RD/WR | | Comparator 4C, address of measurement value | 0 .. 32000 | 0 |
| 20866 | SHORT | RD/WR | | Comparator 4D, address of measurement value | 0 .. 32000 | 0 |
| 20867 | SHORT | RD/WR | | Comparator 4E, address of measurement value | 0 .. 32000 | 0 |
| 20868 | SHORT | RD/WR | | Comparator 4F, address of measurement value | 0 .. 32000 | 0 |
| 20869 | SHORT | RD/WR | | Comparator 4G, address of measurement value | 0 .. 32000 | 0 |
| 20870 | SHORT | RD/WR | | Comparator 4H, address of measurement value | 0 .. 32000 | 0 |
| 20871 | SHORT | RD/WR | | Comparator 4I, address of measurement value | 0 .. 32000 | 0 |
| 20872 | SHORT | RD/WR | | Comparator 4J, address of measurement value | 0 .. 32000 | 0 |
| 20873 | SHORT | RD/WR | | Comparator 4A, inverted | 0, 1 | 0 |
| 20874 | SHORT | RD/WR | | Comparator 4B, inverted | 0, 1 | 0 |
| 20875 | SHORT | RD/WR | | Comparator 4C, inverted | 0, 1 | 0 |
| 20876 | SHORT | RD/WR | | Comparator 4D, inverted | 0, 1 | 0 |
| 20877 | SHORT | RD/WR | | Comparator 4E, inverted | 0, 1 | 0 |
| 20878 | SHORT | RD/WR | | Comparator 4F, inverted | 0, 1 | 0 |
| 20879 | SHORT | RD/WR | | Comparator 4G, inverted | 0, 1 | 0 |
| 20880 | SHORT | RD/WR | | Comparator 4H, inverted | 0, 1 | 0 |
| 20881 | SHORT | RD/WR | | Comparator 4I, inverted | 0, 1 | 0 |
| 20882 | SHORT | RD/WR | | Comparator 4J, inverted | 0, 1 | 0 |
| 20883 | SHORT | RD/WR | s | Min. exceed time comparator 5 | 0 .. 32000 | 0 |
| 20884 | SHORT | RD/WR | s | Min set time comparator 5 | 0 .. 32000 | 0 |
| 20885 | SHORT | | | Results of the comparator group 5 Combine A...J (0=OR, 1=AND) | 0,1 | 0 |
| 20886 | FLOAT | RD/WR | | Comparator 5A, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20888 | FLOAT | RD/WR | | Comparator 5B, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20890 | FLOAT | RD/WR | | Comparator 5C, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20892 | FLOAT | RD/WR | | Comparator 5D, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20894 | FLOAT | RD/WR | | Comparator 5E, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20896 | FLOAT | RD/WR | | Comparator 5F, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20898 | FLOAT | RD/WR | | Comparator 5G, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20900 | FLOAT | RD/WR | | Comparator 5H, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20902 | FLOAT | RD/WR | | Comparator 5I, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20904 | FLOAT | RD/WR | | Comparator 5J, limit | $-10^{12}-1..+10^{12}-1$ | 0 |
| 20906 | SHORT | RD/WR | | Comparator 5A, address of measurement value | 0 .. 32000 | 0 |
| 20907 | SHORT | RD/WR | | Comparator 5B, address of measurement value | 0 .. 32000 | 0 |
| 20908 | SHORT | RD/WR | | Comparator 5C, address of measurement value | 0 .. 32000 | 0 |
| 20909 | SHORT | RD/WR | | Comparator 5D, address of measurement value | 0 .. 32000 | 0 |
| 20910 | SHORT | RD/WR | | Comparator 5E, address of measurement value | 0 .. 32000 | 0 |
| 20911 | SHORT | RD/WR | | Comparator 5F, address of measurement value | 0 .. 32000 | 0 |
| 20912 | SHORT | RD/WR | | Comparator 5G, address of measurement value | 0 .. 32000 | 0 |
| 20913 | SHORT | RD/WR | | Comparator 5H, address of measurement value | 0 .. 32000 | 0 |

| Adresse | Format | RD/WR | Einheit | Bemerkung | Einstellbereich | Voreinstellung |
|---------|--------|-------|---------|--|-----------------|----------------|
| 20914 | SHORT | RD/WR | | Comparator 5I, address of measurement value | 0 .. 32000 | 0 |
| 20915 | SHORT | RD/WR | | Comparator 5J, address of measurement value | 0 .. 32000 | 0 |
| 20916 | SHORT | RD/WR | | Comparator 5A, inverted | 0, 1 | 0 |
| 20917 | SHORT | RD/WR | | Comparator 5B, inverted | 0, 1 | 0 |
| 20918 | SHORT | RD/WR | | Comparator 5C, inverted | 0, 1 | 0 |
| 20919 | SHORT | RD/WR | | Comparator 5D, inverted | 0, 1 | 0 |
| 20920 | SHORT | RD/WR | | Comparator 5E, inverted | 0, 1 | 0 |
| 20921 | SHORT | RD/WR | | Comparator 5F, inverted | 0, 1 | 0 |
| 20922 | SHORT | RD/WR | | Comparator 5G, inverted | 0, 1 | 0 |
| 20923 | SHORT | RD/WR | | Comparator 5H, inverted | 0, 1 | 0 |
| 20924 | SHORT | RD/WR | | Comparator 5I, inverted | 0, 1 | 0 |
| 20925 | SHORT | RD/WR | | Comparator 5J, inverted | 0, 1 | 0 |
| 20926 | SHORT | RD | | Results of the comparator A, comparator group 1 | | |
| 20927 | SHORT | RD | | Results of the comparator B, comparator group 1 | | |
| 20928 | SHORT | RD | | Results of the comparator C, comparator group 1 | | |
| 20929 | SHORT | RD | | Results of the comparator D, comparator group 1 | | |
| 20930 | SHORT | RD | | Results of the comparator E, comparator group 1 | | |
| 20931 | SHORT | RD | | Results of the comparator F, comparator group 1 | | |
| 20932 | SHORT | RD | | Results of the comparator G, comparator group 1 | | |
| 20933 | SHORT | RD | | Results of the comparator H, comparator group 1 | | |
| 20934 | SHORT | RD | | Results of the comparator I, comparator group 1 | | |
| 20935 | SHORT | RD | | Results of the comparator J, comparator group 1 | | |
| 20936 | SHORT | RD | | Results of the comparator A, comparator group 2 | | |
| 20937 | SHORT | RD | | Results of the comparator B, comparator group 2 | | |
| 20938 | SHORT | RD | | Results of the comparator C, comparator group 2 | | |
| 20939 | SHORT | RD | | Results of the comparator D, comparator group 2 | | |
| 20940 | SHORT | RD | | Results of the comparator E, comparator group 2 | | |
| 20941 | SHORT | RD | | Results of the comparator F, comparator group 2 | | |
| 20942 | SHORT | RD | | Results of the comparator G, comparator group 2 | | |
| 20943 | SHORT | RD | | Results of the comparator H, comparator group 2 | | |
| 20944 | SHORT | RD | | Results of the comparator I, comparator group 2 | | |
| 20945 | SHORT | RD | | Results of the comparator J, comparator group 2 | | |
| 20946 | SHORT | RD | | Results of the comparator A, comparator group 3 | | |
| 20947 | SHORT | RD | | Results of the comparator B, comparator group 3 | | |
| 20948 | SHORT | RD | | Results of the comparator C, comparator group 3 | | |
| 20949 | SHORT | RD | | Results of the comparator D, comparator group 3 | | |
| 20950 | SHORT | RD | | Results of the comparator E, comparator group 3 | | |
| 20951 | SHORT | RD | | Results of the comparator F, comparator group 3 | | |
| 20952 | SHORT | RD | | Results of the comparator G, comparator group 3 | | |
| 20953 | SHORT | RD | | Results of the comparator H, comparator group 3 | | |
| 20954 | SHORT | RD | | Results of the comparator I, comparator group 3 | | |
| 20955 | SHORT | RD | | Results of the comparator J, comparator group 3 | | |
| 20956 | SHORT | RD | | Results of the comparator A, comparator group 4 | | |
| 20957 | SHORT | RD | | Results of the comparator B, comparator group 4 | | |
| 20958 | SHORT | RD | | Results of the comparator C, comparator group 4 | | |
| 20959 | SHORT | RD | | Results of the comparator D, comparator group 4 | | |
| 20960 | SHORT | RD | | Results of the comparator E, comparator group 4 | | |
| 20961 | SHORT | RD | | Results of the comparator F, comparator group 4 | | |
| 20962 | SHORT | RD | | Results of the comparator G, comparator group 4 | | |
| 20963 | SHORT | RD | | Results of the comparator H, comparator group 4 | | |
| 20964 | SHORT | RD | | Results of the comparator I, comparator group 4 | | |
| 20965 | SHORT | RD | | Results of the comparator J, comparator group 4 | | |
| 20966 | SHORT | RD | | Results of the comparator A, comparator group 5 | | |
| 20967 | SHORT | RD | | Results of the comparator B, comparator group 5 | | |
| 20968 | SHORT | RD | | Results of the comparator C, comparator group 5 | | |
| 20969 | SHORT | RD | | Results of the comparator D, comparator group 5 | | |
| 20970 | SHORT | RD | | Results of the comparator E, comparator group 5 | | |
| 20971 | SHORT | RD | | Results of the comparator F, comparator group 5 | | |
| 20972 | SHORT | RD | | Results of the comparator G, comparator group 5 | | |
| 20973 | SHORT | RD | | Results of the comparator H, comparator group 5 | | |
| 20974 | SHORT | RD | | Results of the comparator I, comparator group 5 | | |
| 20975 | SHORT | RD | | Results of the comparator J, comparator group 5 | | |
| 20976 | SHORT | RD | | Comparator group 1, Linkage result of comparator group | | |
| 20977 | SHORT | RD | | Comparator group 2, Linkage result of comparator group | | |

| Adresse | Format | RD/WR | Einheit | Bemerkung | Einstellbereich | Voreinstellung |
|----------------|---------------|--------------|----------------|--|------------------------|-----------------------|
| 20978 | SHORT | RD | | Comparator group 3, Linkage result of comparator group | | |
| 20979 | SHORT | RD | | Comparator group 4, Linkage result of comparator group | | |
| 20980 | SHORT | RD | | Comparator group 5, Linkage result of comparator group | | |

Minwerte, Zeitstempel

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index |
|---------|--------|-------|---------|---|-------|
| 10503 | INT | RD | s | Time of min. value (UTC), Measured frequency | |
| 10505 | INT | RD | s | Time of min. value (UTC), Voltage, zero sequence | |
| 10507 | INT | RD | s | Time of min. value (UTC), Voltage, negative sequence | |
| 10509 | INT | RD | s | Time of min. value (UTC), Voltage, positive sequence | |
| 10511 | INT | RD | s | Time of min. value (UTC), Voltage L1-N | |
| 10513 | INT | RD | s | Time of min. value (UTC), Voltage L2-N | |
| 10515 | INT | RD | s | Time of min. value (UTC), Voltage L3-N | |
| 10517 | INT | RD | s | Time of min. value (UTC), Voltage L1-L3 | |
| 10519 | INT | RD | s | Time of min. value (UTC), Voltage L2-L3 | |
| 10521 | INT | RD | s | Time of min. value (UTC), Voltage L1-L3 | |
| 10523 | INT | RD | s | Time of min. value (UTC), Fund. power factor, CosPhi; L1 | |
| 10525 | INT | RD | s | Time of min. value (UTC), Fund. power factor, CosPhi; L2 | |
| 10527 | INT | RD | s | Time of min. value (UTC), Fund. power factor, CosPhi; L3 | |
| 10529 | INT | RD | s | Time of min. value (UTC), Fund. power factor, CosPhi; sum | |
| 10531 | INT | RD | s | Time of min. value (UTC), Power factor; L1 | |
| 10533 | INT | RD | s | Time of min. value (UTC), Power factor; L2 | |
| 10535 | INT | RD | s | Time of min. value (UTC), Power factor; L3 | |
| 10537 | INT | RD | s | Time of min. value (UTC), Power factor; L sum | |
| 10539 | INT | RD | s | Time of min. value (UTC), THD, U L1-N | |
| 10541 | INT | RD | s | Time of min. value (UTC), THD, U L2-N | |
| 10543 | INT | RD | s | Time of min. value (UTC), THD, U L3-N | |
| 10545 | INT | RD | s | Time of min. value (UTC), THD, U L1-L2 | |
| 10547 | INT | RD | s | Time of min. value (UTC), THD, U L2-L3 | |
| 10549 | INT | RD | s | Time of min. value (UTC), THD, U L1-L3 | |
| 10551 | INT | RD | s | Time of min. value (UTC), Voltage, real part U L1-N | |
| 10553 | INT | RD | s | Time of min. value (UTC), Voltage, real part U L2-N | |
| 10555 | INT | RD | s | Time of min. value (UTC), Voltage, real part U L3-N | |
| 10557 | INT | RD | s | Time of min. value (UTC), Voltage, imaginary part U L1-N | |
| 10559 | INT | RD | s | Time of min. value (UTC), Voltage, imaginary part U L2-N | |
| 10561 | INT | RD | s | Time of min. value (UTC), Voltage, imaginary part U L3-N | |

Maxwerte, Zeitstempel

| Adresse | Format | RD/WR | Einheit | Bemerkung | Index |
|---------|--------|-------|---------|---|-------|
| 10335 | INT | RD | s | Time of max. value (UTC), Current I L4 | |
| 10337 | INT | RD | s | Time of max. value (UTC), THD I L4 | |
| 10339 | INT | RD | s | Time of max. value (UTC), TDD I L4 | |
| 10341 | INT | RD | s | Time of max. value (UTC) average, current I L4 | |
| 10343 | INT | RD | s | Time of max. value (UTC) power s0 (pulse input 1) | |
| 10345 | INT | RD | s | Time of max. value (UTC) power s0 (pulse input 2) | |
| 10347 | INT | RD | s | Time of max. value (UTC) power s0 (pulse input 3) | |
| 10349 | INT | RD | s | Time of max. value (UTC), Measured frequency | |
| 10351 | INT | RD | s | Time of max. value (UTC), Voltage, zero sequence | |
| 10353 | INT | RD | s | Time of max. value (UTC), Voltage, negative sequence | |
| 10355 | INT | RD | s | Time of max. value (UTC), Voltage, positive sequence | |
| 10357 | INT | RD | s | Time of max. value (UTC), Voltage L1-N | |
| 10359 | INT | RD | s | Time of max. value (UTC), Voltage L2-N | |
| 10361 | INT | RD | s | Time of max. value (UTC), Voltage L3-N | |
| 10363 | INT | RD | s | Time of max. value (UTC), Voltage L1-L2 | |
| 10365 | INT | RD | s | Time of max. value (UTC), Voltage L2-L3 | |
| 10367 | INT | RD | s | Time of max. value (UTC), Voltage L1-L3 | |
| 10369 | INT | RD | s | Time of max. value (UTC), Fund. power factor, CosPhi; L1 | |
| 10371 | INT | RD | s | Time of max. value (UTC), Fund. power factor, CosPhi; L2 | |
| 10373 | INT | RD | s | Time of max. value (UTC), Fund. power factor, CosPhi; L3 | |
| 10375 | INT | RD | s | Time of max. value (UTC), Fund. power factor, CosPhi; sum | |
| 10377 | INT | RD | s | Time of max. value (UTC), Power factor; L1 | |
| 10379 | INT | RD | s | Time of max. value (UTC), Power factor; L2 | |
| 10381 | INT | RD | s | Time of max. value (UTC), Power factor; L3 | |
| 10383 | INT | RD | s | Time of max. value (UTC), Power factor; sum | |
| 10385 | INT | RD | s | Time of max. value (UTC), THD, U L1-N | |
| 10387 | INT | RD | s | Time of max. value (UTC), THD, U L2-N | |
| 10389 | INT | RD | s | Time of max. value (UTC), THD, U L3-N | |
| 10391 | INT | RD | s | Time of max. value (UTC), THD, U L1-L2 | |
| 10393 | INT | RD | s | Time of max. value (UTC), THD, U L2-L3 | |
| 10395 | INT | RD | s | Time of max. value (UTC), THD, U L1-L3 | |
| 10397 | INT | RD | s | Time of max. value (UTC), Voltage, real part U L1-N | |
| 10399 | INT | RD | s | Time of max. value (UTC), Voltage, real part U L2-N | |
| 10401 | INT | RD | s | Time of max. value (UTC), Voltage, real part U L3-N | |
| 10403 | INT | RD | s | Time of max. value (UTC), Voltage, imaginary part U L1-N | |
| 10405 | INT | RD | s | Time of max. value (UTC), Voltage, imaginary part U L2-N | |
| 10407 | INT | RD | s | Time of max. value (UTC), Voltage, imaginary part U L3-N | |
| 10409 | INT | RD | s | Time of max. value (UTC), Current I L1 | |
| 10411 | INT | RD | s | Time of max. value (UTC), Current I L2 | |
| 10413 | INT | RD | s | Time of max. value (UTC), Current I L3 | |
| 10415 | INT | RD | s | Time of max. value (UTC), Current I L (sum L1-L3) | |
| 10417 | INT | RD | s | Time of max. value (UTC), Real power P1 | |
| 10419 | INT | RD | s | Time of max. value (UTC), Real power P2 | |
| 10421 | INT | RD | s | Time of max. value (UTC), Real power P3 | |
| 10423 | INT | RD | s | Time of max. value (UTC), Real power P sum | |
| 10425 | INT | RD | s | Time of max. value (UTC), Fund. reactive power Q1 | |
| 10427 | INT | RD | s | Time of max. value (UTC), Fund. reactive power Q2 | |
| 10429 | INT | RD | s | Time of max. value (UTC), Fund. reactive power Q3 | |
| 10431 | INT | RD | s | Time of max. value (UTC), Fund. reactive power Q sum | |
| 10433 | INT | RD | s | Time of max. value (UTC), Apparent power S1 | |
| 10435 | INT | RD | s | Time of max. value (UTC), Apparent power S2 | |
| 10437 | INT | RD | s | Time of max. value (UTC), Apparent power S3 | |
| 10439 | INT | RD | s | Time of max. value (UTC), Apparent power S, sum | |
| 10441 | INT | RD | s | Time of max. value (UTC), Fund. real power P1 | |
| 10443 | INT | RD | s | Time of max. value (UTC), Fund. real power P2 | |
| 10445 | INT | RD | s | Time of max. value (UTC), Fund. real power P3 | |
| 10447 | INT | RD | s | Time of max. value (UTC), Fund. real power P sum | |
| 10449 | INT | RD | s | Time of max. value (UTC), Harmonic distortion power D L1-N | |
| 10451 | INT | RD | s | Time of max. value (UTC), Harmonic distortion power D L2-N | |
| 10453 | INT | RD | s | Time of max. value (UTC), Harmonic distortion power D L3-N | |
| 10455 | INT | RD | s | Time of max. value (UTC), Harmonic distortion power D sum3=D1+D2+D3 | |
| 10457 | INT | RD | s | Time of max. value (UTC), THD I1 | |
| 10459 | INT | RD | s | Time of max. value (UTC), THD I2 | |
| 10461 | INT | RD | s | Time of max. value (UTC), THD I3 | |
| 10463 | INT | RD | s | Time of max. value (UTC), TDD I1 | |

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| 10467 | INT | RD | s | Time of max. value (UTC), TDD I3 | |
| 10469 | INT | RD | s | Time of max. value (UTC), Current, zero sequence | |
| 10471 | INT | RD | s | Time of max. value (UTC), Current, negative sequence | |
| 10473 | INT | RD | s | Time of max. value (UTC), Current, positive sequence | |
| 10475 | INT | RD | s | Time of max. value (UTC), Current, real part I L1 | |
| 10477 | INT | RD | s | Time of max. value (UTC), Current, real part I L2 | |
| 10479 | INT | RD | s | Time of max. value (UTC), Current, real part I L3 | |
| 10481 | INT | RD | s | Time of max. value (UTC), Current, imaginary part I L1 | |
| 10483 | INT | RD | s | Time of max. value (UTC), Current, imaginary part I L2 | |
| 10485 | INT | RD | s | Time of max. value (UTC), Current, imaginary part I L3 | |
| 10487 | INT | RD | s | Time of max. value (UTC) Average, current I L1 | |
| 10489 | INT | RD | s | Time of max. value (UTC) Average, current I L2 | |
| 10491 | INT | RD | s | Time of max. value (UTC) Average, current I L3 | |
| 10493 | INT | RD | s | Time of max. value (UTC) Average, current I sum | |
| 10495 | INT | RD | s | Time of max. value (UTC) Average, Real Power P1 | |
| 10497 | INT | RD | s | Time of max. value (UTC) Average, Real Power P2 | |
| 10499 | INT | RD | s | Time of max. value (UTC) Average, Real Power P3 | |
| 10501 | INT | RD | s | Time of max. value (UTC) Average, Real Power P sum | |
| 11245 | INT | RD | s | Time of max. value (UTC), Temperature input 1 | |
| 11247 | INT | RD | s | Time of max. value (UTC), Temperature input 2 | |
| 11249 | INT | RD | s | Time of max. value (UTC), Diff1 4-20mA | |
| 11251 | INT | RD | s | Time of max. value (UTC), Diff2 4-20mA | |
| 11253 | INT | RD | s | Time of max. value (UTC), Current Diff1 | |
| 11255 | INT | RD | s | Time of max. value (UTC), Current Diff2 | |
| 11257 | INT | RD | s | Time of max. value (UTC), THD I Diff1 | |
| 11259 | INT | RD | s | Time of max. value (UTC), THD I Diff2 | |
| 11261 | INT | RD | s | Time of max. value (UTC) Average, Temperature input 1 | |
| 11263 | INT | RD | s | Time of max. value (UTC) Average, Temperature input 2 | |
| 11265 | INT | RD | s | Time of max. value (UTC) Average, Diff1 4-20mA | |
| 11267 | INT | RD | s | Time of max. value (UTC) Average, Diff2 4-20mA | |
| 11269 | INT | RD | s | Time of max. value (UTC) Average, Current Diff1 | |
| 11271 | INT | RD | s | Time of max. value (UTC) Average, Current Diff2 | |
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| 1256 | FLOAT | RD | V | Harmonic U L1-L2 | [8] |
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| 1426 | FLOAT | RD | V | Harmonic U L3-L1 | [13] |
| 1428 | FLOAT | RD | V | Harmonic U L3-L1 | [14] |
| 1430 | FLOAT | RD | V | Harmonic U L3-L1 | [15] |
| 1432 | FLOAT | RD | V | Harmonic U L3-L1 | [16] |
| 1434 | FLOAT | RD | V | Harmonic U L3-L1 | [17] |
| 1436 | FLOAT | RD | V | Harmonic U L3-L1 | [18] |
| 1438 | FLOAT | RD | V | Harmonic U L3-L1 | [19] |
| 1440 | FLOAT | RD | V | Harmonic U L3-L1 | [20] |
| 1442 | FLOAT | RD | V | Harmonic U L3-L1 | [21] |
| 1444 | FLOAT | RD | V | Harmonic U L3-L1 | [22] |
| 1446 | FLOAT | RD | V | Harmonic U L3-L1 | [23] |
| 1448 | FLOAT | RD | V | Harmonic U L3-L1 | [24] |
| 1450 | FLOAT | RD | V | Harmonic U L3-L1 | [25] |
| 1452 | FLOAT | RD | V | Harmonic U L3-L1 | [26] |
| 1454 | FLOAT | RD | V | Harmonic U L3-L1 | [27] |
| 1456 | FLOAT | RD | V | Harmonic U L3-L1 | [28] |
| 1458 | FLOAT | RD | V | Harmonic U L3-L1 | [29] |
| 1460 | FLOAT | RD | V | Harmonic U L3-L1 | [30] |
| 1462 | FLOAT | RD | V | Harmonic U L3-L1 | [31] |
| 1464 | FLOAT | RD | V | Harmonic U L3-L1 | [32] |
| 1466 | FLOAT | RD | V | Harmonic U L3-L1 | [33] |
| 1468 | FLOAT | RD | V | Harmonic U L3-L1 | [34] |
| 1470 | FLOAT | RD | V | Harmonic U L3-L1 | [35] |
| 1472 | FLOAT | RD | V | Harmonic U L3-L1 | [36] |
| 1474 | FLOAT | RD | V | Harmonic U L3-L1 | [37] |
| 1476 | FLOAT | RD | V | Harmonic U L3-L1 | [38] |
| 1478 | FLOAT | RD | V | Harmonic U L3-L1 | [39] |
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| 1484 | FLOAT | RD | A | Harmonic I L1 | [2] |
| 1486 | FLOAT | RD | A | Harmonic I L1 | [3] |
| 1488 | FLOAT | RD | A | Harmonic I L1 | [4] |
| 1490 | FLOAT | RD | A | Harmonic I L1 | [5] |
| 1492 | FLOAT | RD | A | Harmonic I L1 | [6] |
| 1494 | FLOAT | RD | A | Harmonic I L1 | [7] |
| 1496 | FLOAT | RD | A | Harmonic I L1 | [8] |
| 1498 | FLOAT | RD | A | Harmonic I L1 | [9] |
| 1500 | FLOAT | RD | A | Harmonic I L1 | [10] |
| 1502 | FLOAT | RD | A | Harmonic I L1 | [11] |
| 1504 | FLOAT | RD | A | Harmonic I L1 | [12] |
| 1506 | FLOAT | RD | A | Harmonic I L1 | [13] |
| 1508 | FLOAT | RD | A | Harmonic I L1 | [14] |
| 1510 | FLOAT | RD | A | Harmonic I L1 | [15] |
| 1512 | FLOAT | RD | A | Harmonic I L1 | [16] |
| 1514 | FLOAT | RD | A | Harmonic I L1 | [17] |
| 1516 | FLOAT | RD | A | Harmonic I L1 | [18] |
| 1518 | FLOAT | RD | A | Harmonic I L1 | [19] |
| 1520 | FLOAT | RD | A | Harmonic I L1 | [20] |
| 1522 | FLOAT | RD | A | Harmonic I L1 | [21] |
| 1524 | FLOAT | RD | A | Harmonic I L1 | [22] |
| 1526 | FLOAT | RD | A | Harmonic I L1 | [23] |

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| 1530 | FLOAT | RD | A | Harmonic I L1 | [25] |
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| 1536 | FLOAT | RD | A | Harmonic I L1 | [28] |
| 1538 | FLOAT | RD | A | Harmonic I L1 | [29] |
| 1540 | FLOAT | RD | A | Harmonic I L1 | [30] |
| 1542 | FLOAT | RD | A | Harmonic I L1 | [31] |
| 1544 | FLOAT | RD | A | Harmonic I L1 | [32] |
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| 1550 | FLOAT | RD | A | Harmonic I L1 | [35] |
| 1552 | FLOAT | RD | A | Harmonic I L1 | [36] |
| 1554 | FLOAT | RD | A | Harmonic I L1 | [37] |
| 1556 | FLOAT | RD | A | Harmonic I L1 | [38] |
| 1558 | FLOAT | RD | A | Harmonic I L1 | [39] |
| 1560 | FLOAT | RD | A | Harmonic I L2 | [0] |
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| 1564 | FLOAT | RD | A | Harmonic I L2 | [2] |
| 1566 | FLOAT | RD | A | Harmonic I L2 | [3] |
| 1568 | FLOAT | RD | A | Harmonic I L2 | [4] |
| 1570 | FLOAT | RD | A | Harmonic I L2 | [5] |
| 1572 | FLOAT | RD | A | Harmonic I L2 | [6] |
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| 1578 | FLOAT | RD | A | Harmonic I L2 | [9] |
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| 1586 | FLOAT | RD | A | Harmonic I L2 | [13] |
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| 1626 | FLOAT | RD | A | Harmonic I L2 | [33] |
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| 1636 | FLOAT | RD | A | Harmonic I L2 | [38] |
| 1638 | FLOAT | RD | A | Harmonic I L2 | [39] |
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| 1658 | FLOAT | RD | A | Harmonic I L3 | [9] |

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| 1668 | FLOAT | RD | A | Harmonic I L3 | [14] |
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| 1674 | FLOAT | RD | A | Harmonic I L3 | [17] |
| 1676 | FLOAT | RD | A | Harmonic I L3 | [18] |
| 1678 | FLOAT | RD | A | Harmonic I L3 | [19] |
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| 1696 | FLOAT | RD | A | Harmonic I L3 | [28] |
| 1698 | FLOAT | RD | A | Harmonic I L3 | [29] |
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| 1708 | FLOAT | RD | A | Harmonic I L3 | [34] |
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| 1712 | FLOAT | RD | A | Harmonic I L3 | [36] |
| 1714 | FLOAT | RD | A | Harmonic I L3 | [37] |
| 1716 | FLOAT | RD | A | Harmonic I L3 | [38] |
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| 10006 | FLOAT | RD | A | Harmonic I L4 | [3] |
| 10008 | FLOAT | RD | A | Harmonic I L4 | [4] |
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| 10014 | FLOAT | RD | A | Harmonic I L4 | [7] |
| 10016 | FLOAT | RD | A | Harmonic I L4 | [8] |
| 10018 | FLOAT | RD | A | Harmonic I L4 | [9] |
| 10020 | FLOAT | RD | A | Harmonic I L4 | [10] |
| 10022 | FLOAT | RD | A | Harmonic I L4 | [11] |
| 10024 | FLOAT | RD | A | Harmonic I L4 | [12] |
| 10026 | FLOAT | RD | A | Harmonic I L4 | [13] |
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| 10030 | FLOAT | RD | A | Harmonic I L4 | [15] |
| 10032 | FLOAT | RD | A | Harmonic I L4 | [16] |
| 10034 | FLOAT | RD | A | Harmonic I L4 | [17] |
| 10036 | FLOAT | RD | A | Harmonic I L4 | [18] |
| 10038 | FLOAT | RD | A | Harmonic I L4 | [19] |
| 10040 | FLOAT | RD | A | Harmonic I L4 | [20] |
| 10042 | FLOAT | RD | A | Harmonic I L4 | [21] |
| 10044 | FLOAT | RD | A | Harmonic I L4 | [22] |
| 10046 | FLOAT | RD | A | Harmonic I L4 | [23] |
| 10048 | FLOAT | RD | A | Harmonic I L4 | [24] |
| 10050 | FLOAT | RD | A | Harmonic I L4 | [25] |
| 10052 | FLOAT | RD | A | Harmonic I L4 | [26] |
| 10054 | FLOAT | RD | A | Harmonic I L4 | [27] |
| 10056 | FLOAT | RD | A | Harmonic I L4 | [28] |
| 10058 | FLOAT | RD | A | Harmonic I L4 | [29] |
| 10060 | FLOAT | RD | A | Harmonic I L4 | [30] |
| 10062 | FLOAT | RD | A | Harmonic I L4 | [31] |
| 10064 | FLOAT | RD | A | Harmonic I L4 | [32] |
| 10066 | FLOAT | RD | A | Harmonic I L4 | [33] |
| 10068 | FLOAT | RD | A | Harmonic I L4 | [34] |

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| 10070 | FLOAT | RD | A | Harmonic I L4 | [35] |
| 10072 | FLOAT | RD | A | Harmonic I L4 | [36] |
| 10074 | FLOAT | RD | A | Harmonic I L4 | [37] |
| 10076 | FLOAT | RD | A | Harmonic I L4 | [38] |
| 10078 | FLOAT | RD | A | Harmonic I L4 | [39] |
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| 10887 | FLOAT | RD | A | Harmonic I Diff1 | [3] |
| 10889 | FLOAT | RD | A | Harmonic I Diff1 | [4] |
| 10891 | FLOAT | RD | A | Harmonic I Diff1 | [5] |
| 10893 | FLOAT | RD | A | Harmonic I Diff1 | [6] |
| 10895 | FLOAT | RD | A | Harmonic I Diff1 | [7] |
| 10897 | FLOAT | RD | A | Harmonic I Diff1 | [8] |
| 10899 | FLOAT | RD | A | Harmonic I Diff1 | [9] |
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| 10907 | FLOAT | RD | A | Harmonic I Diff1 | [13] |
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| 10913 | FLOAT | RD | A | Harmonic I Diff1 | [16] |
| 10915 | FLOAT | RD | A | Harmonic I Diff1 | [17] |
| 10917 | FLOAT | RD | A | Harmonic I Diff1 | [18] |
| 10919 | FLOAT | RD | A | Harmonic I Diff1 | [19] |
| 10921 | FLOAT | RD | A | Harmonic I Diff1 | [20] |
| 10923 | FLOAT | RD | A | Harmonic I Diff1 | [21] |
| 10925 | FLOAT | RD | A | Harmonic I Diff1 | [22] |
| 10927 | FLOAT | RD | A | Harmonic I Diff1 | [23] |
| 10929 | FLOAT | RD | A | Harmonic I Diff1 | [24] |
| 10931 | FLOAT | RD | A | Harmonic I Diff1 | [25] |
| 10933 | FLOAT | RD | A | Harmonic I Diff1 | [26] |
| 10935 | FLOAT | RD | A | Harmonic I Diff1 | [27] |
| 10937 | FLOAT | RD | A | Harmonic I Diff1 | [28] |
| 10939 | FLOAT | RD | A | Harmonic I Diff1 | [29] |
| 10941 | FLOAT | RD | A | Harmonic I Diff1 | [30] |
| 10943 | FLOAT | RD | A | Harmonic I Diff1 | [31] |
| 10945 | FLOAT | RD | A | Harmonic I Diff1 | [32] |
| 10947 | FLOAT | RD | A | Harmonic I Diff1 | [33] |
| 10949 | FLOAT | RD | A | Harmonic I Diff1 | [34] |
| 10951 | FLOAT | RD | A | Harmonic I Diff1 | [35] |
| 10953 | FLOAT | RD | A | Harmonic I Diff1 | [36] |
| 10955 | FLOAT | RD | A | Harmonic I Diff1 | [37] |
| 10957 | FLOAT | RD | A | Harmonic I Diff1 | [38] |
| 10959 | FLOAT | RD | A | Harmonic I Diff1 | [39] |
| 10961 | FLOAT | RD | A | Harmonic I Diff2 | [0] |
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| 10965 | FLOAT | RD | A | Harmonic I Diff2 | [2] |
| 10967 | FLOAT | RD | A | Harmonic I Diff2 | [3] |
| 10969 | FLOAT | RD | A | Harmonic I Diff2 | [4] |
| 10971 | FLOAT | RD | A | Harmonic I Diff2 | [5] |
| 10973 | FLOAT | RD | A | Harmonic I Diff2 | [6] |
| 10975 | FLOAT | RD | A | Harmonic I Diff2 | [7] |
| 10977 | FLOAT | RD | A | Harmonic I Diff2 | [8] |
| 10979 | FLOAT | RD | A | Harmonic I Diff2 | [9] |
| 10981 | FLOAT | RD | A | Harmonic I Diff2 | [10] |
| 10983 | FLOAT | RD | A | Harmonic I Diff2 | [11] |
| 10985 | FLOAT | RD | A | Harmonic I Diff2 | [12] |
| 10987 | FLOAT | RD | A | Harmonic I Diff2 | [13] |
| 10989 | FLOAT | RD | A | Harmonic I Diff2 | [14] |
| 10991 | FLOAT | RD | A | Harmonic I Diff2 | [15] |
| 10993 | FLOAT | RD | A | Harmonic I Diff2 | [16] |
| 10995 | FLOAT | RD | A | Harmonic I Diff2 | [17] |
| 10997 | FLOAT | RD | A | Harmonic I Diff2 | [18] |
| 10999 | FLOAT | RD | A | Harmonic I Diff2 | [19] |

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| 11003 | FLOAT | RD | A | Harmonic I Diff2 | [21] |
| 11005 | FLOAT | RD | A | Harmonic I Diff2 | [22] |
| 11007 | FLOAT | RD | A | Harmonic I Diff2 | [23] |
| 11009 | FLOAT | RD | A | Harmonic I Diff2 | [24] |
| 11011 | FLOAT | RD | A | Harmonic I Diff2 | [25] |
| 11013 | FLOAT | RD | A | Harmonic I Diff2 | [26] |
| 11015 | FLOAT | RD | A | Harmonic I Diff2 | [27] |
| 11017 | FLOAT | RD | A | Harmonic I Diff2 | [28] |
| 11019 | FLOAT | RD | A | Harmonic I Diff2 | [29] |
| 11021 | FLOAT | RD | A | Harmonic I Diff2 | [30] |
| 11023 | FLOAT | RD | A | Harmonic I Diff2 | [31] |
| 11025 | FLOAT | RD | A | Harmonic I Diff2 | [32] |
| 11027 | FLOAT | RD | A | Harmonic I Diff2 | [33] |
| 11029 | FLOAT | RD | A | Harmonic I Diff2 | [34] |
| 11031 | FLOAT | RD | A | Harmonic I Diff2 | [35] |
| 11033 | FLOAT | RD | A | Harmonic I Diff2 | [36] |
| 11035 | FLOAT | RD | A | Harmonic I Diff2 | [37] |
| 11037 | FLOAT | RD | A | Harmonic I Diff2 | [38] |
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| 3541 | SHORT | RD | V | Harmonic U L1 | [5] | 0,1 |
| 3542 | SHORT | RD | V | Harmonic U L1 | [6] | 0,1 |
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| 3544 | SHORT | RD | V | Harmonic U L1 | [8] | 0,1 |
| 3545 | SHORT | RD | V | Harmonic U L1 | [9] | 0,1 |
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| 3548 | SHORT | RD | V | Harmonic U L1 | [12] | 0,1 |
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| 3550 | SHORT | RD | V | Harmonic U L1 | [14] | 0,1 |
| 3551 | SHORT | RD | V | Harmonic U L1 | [15] | 0,1 |
| 3552 | SHORT | RD | V | Harmonic U L1 | [16] | 0,1 |
| 3553 | SHORT | RD | V | Harmonic U L1 | [17] | 0,1 |
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| 3572 | SHORT | RD | V | Harmonic U L1 | [36] | 0,1 |
| 3573 | SHORT | RD | V | Harmonic U L1 | [37] | 0,1 |
| 3574 | SHORT | RD | V | Harmonic U L1 | [38] | 0,1 |
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| 3579 | SHORT | RD | V | Harmonic U L2 | [3] | 0,1 |
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| 3589 | SHORT | RD | V | Harmonic U L2 | [13] | 0,1 |
| 3590 | SHORT | RD | V | Harmonic U L2 | [14] | 0,1 |
| 3591 | SHORT | RD | V | Harmonic U L2 | [15] | 0,1 |
| 3592 | SHORT | RD | V | Harmonic U L2 | [16] | 0,1 |
| 3593 | SHORT | RD | V | Harmonic U L2 | [17] | 0,1 |
| 3594 | SHORT | RD | V | Harmonic U L2 | [18] | 0,1 |
| 3595 | SHORT | RD | V | Harmonic U L2 | [19] | 0,1 |
| 3596 | SHORT | RD | V | Harmonic U L2 | [20] | 0,1 |
| 3597 | SHORT | RD | V | Harmonic U L2 | [21] | 0,1 |
| 3598 | SHORT | RD | V | Harmonic U L2 | [22] | 0,1 |
| 3599 | SHORT | RD | V | Harmonic U L2 | [23] | 0,1 |
| 3600 | SHORT | RD | V | Harmonic U L2 | [24] | 0,1 |
| 3601 | SHORT | RD | V | Harmonic U L2 | [25] | 0,1 |

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|---------|--------|-------|---------|------------------|-------|-----------|
| 3602 | SHORT | RD | V | Harmonic U L2 | [26] | 0,1 |
| 3603 | SHORT | RD | V | Harmonic U L2 | [27] | 0,1 |
| 3604 | SHORT | RD | V | Harmonic U L2 | [28] | 0,1 |
| 3605 | SHORT | RD | V | Harmonic U L2 | [29] | 0,1 |
| 3606 | SHORT | RD | V | Harmonic U L2 | [30] | 0,1 |
| 3607 | SHORT | RD | V | Harmonic U L2 | [31] | 0,1 |
| 3608 | SHORT | RD | V | Harmonic U L2 | [32] | 0,1 |
| 3609 | SHORT | RD | V | Harmonic U L2 | [33] | 0,1 |
| 3610 | SHORT | RD | V | Harmonic U L2 | [34] | 0,1 |
| 3611 | SHORT | RD | V | Harmonic U L2 | [35] | 0,1 |
| 3612 | SHORT | RD | V | Harmonic U L2 | [36] | 0,1 |
| 3613 | SHORT | RD | V | Harmonic U L2 | [37] | 0,1 |
| 3614 | SHORT | RD | V | Harmonic U L2 | [38] | 0,1 |
| 3615 | SHORT | RD | V | Harmonic U L2 | [39] | 0,1 |
| 3616 | SHORT | RD | V | Harmonic U L3 | [0] | 0,1 |
| 3617 | SHORT | RD | V | Harmonic U L3 | [1] | 0,1 |
| 3618 | SHORT | RD | V | Harmonic U L3 | [2] | 0,1 |
| 3619 | SHORT | RD | V | Harmonic U L3 | [3] | 0,1 |
| 3620 | SHORT | RD | V | Harmonic U L3 | [4] | 0,1 |
| 3621 | SHORT | RD | V | Harmonic U L3 | [5] | 0,1 |
| 3622 | SHORT | RD | V | Harmonic U L3 | [6] | 0,1 |
| 3623 | SHORT | RD | V | Harmonic U L3 | [7] | 0,1 |
| 3624 | SHORT | RD | V | Harmonic U L3 | [8] | 0,1 |
| 3625 | SHORT | RD | V | Harmonic U L3 | [9] | 0,1 |
| 3626 | SHORT | RD | V | Harmonic U L3 | [10] | 0,1 |
| 3627 | SHORT | RD | V | Harmonic U L3 | [11] | 0,1 |
| 3628 | SHORT | RD | V | Harmonic U L3 | [12] | 0,1 |
| 3629 | SHORT | RD | V | Harmonic U L3 | [13] | 0,1 |
| 3630 | SHORT | RD | V | Harmonic U L3 | [14] | 0,1 |
| 3631 | SHORT | RD | V | Harmonic U L3 | [15] | 0,1 |
| 3632 | SHORT | RD | V | Harmonic U L3 | [16] | 0,1 |
| 3633 | SHORT | RD | V | Harmonic U L3 | [17] | 0,1 |
| 3634 | SHORT | RD | V | Harmonic U L3 | [18] | 0,1 |
| 3635 | SHORT | RD | V | Harmonic U L3 | [19] | 0,1 |
| 3636 | SHORT | RD | V | Harmonic U L3 | [20] | 0,1 |
| 3637 | SHORT | RD | V | Harmonic U L3 | [21] | 0,1 |
| 3638 | SHORT | RD | V | Harmonic U L3 | [22] | 0,1 |
| 3639 | SHORT | RD | V | Harmonic U L3 | [23] | 0,1 |
| 3640 | SHORT | RD | V | Harmonic U L3 | [24] | 0,1 |
| 3641 | SHORT | RD | V | Harmonic U L3 | [25] | 0,1 |
| 3642 | SHORT | RD | V | Harmonic U L3 | [26] | 0,1 |
| 3643 | SHORT | RD | V | Harmonic U L3 | [27] | 0,1 |
| 3644 | SHORT | RD | V | Harmonic U L3 | [28] | 0,1 |
| 3645 | SHORT | RD | V | Harmonic U L3 | [29] | 0,1 |
| 3646 | SHORT | RD | V | Harmonic U L3 | [30] | 0,1 |
| 3647 | SHORT | RD | V | Harmonic U L3 | [31] | 0,1 |
| 3648 | SHORT | RD | V | Harmonic U L3 | [32] | 0,1 |
| 3649 | SHORT | RD | V | Harmonic U L3 | [33] | 0,1 |
| 3650 | SHORT | RD | V | Harmonic U L3 | [34] | 0,1 |
| 3651 | SHORT | RD | V | Harmonic U L3 | [35] | 0,1 |
| 3652 | SHORT | RD | V | Harmonic U L3 | [36] | 0,1 |
| 3653 | SHORT | RD | V | Harmonic U L3 | [37] | 0,1 |
| 3654 | SHORT | RD | V | Harmonic U L3 | [38] | 0,1 |
| 3655 | SHORT | RD | V | Harmonic U L3 | [39] | 0,1 |
| 3656 | SHORT | RD | V | Harmonic U L1-L2 | [0] | 0,1 |
| 3657 | SHORT | RD | V | Harmonic U L1-L2 | [1] | 0,1 |
| 3658 | SHORT | RD | V | Harmonic U L1-L2 | [2] | 0,1 |
| 3659 | SHORT | RD | V | Harmonic U L1-L2 | [3] | 0,1 |
| 3660 | SHORT | RD | V | Harmonic U L1-L2 | [4] | 0,1 |
| 3661 | SHORT | RD | V | Harmonic U L1-L2 | [5] | 0,1 |
| 3662 | SHORT | RD | V | Harmonic U L1-L2 | [6] | 0,1 |
| 3663 | SHORT | RD | V | Harmonic U L1-L2 | [7] | 0,1 |
| 3664 | SHORT | RD | V | Harmonic U L1-L2 | [8] | 0,1 |
| 3665 | SHORT | RD | V | Harmonic U L1-L2 | [9] | 0,1 |
| 3666 | SHORT | RD | V | Harmonic U L1-L2 | [10] | 0,1 |
| 3667 | SHORT | RD | V | Harmonic U L1-L2 | [11] | 0,1 |

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| 3668 | SHORT | RD | V | Harmonic U L1-L2 | [12] | 0,1 |
| 3669 | SHORT | RD | V | Harmonic U L1-L2 | [13] | 0,1 |
| 3670 | SHORT | RD | V | Harmonic U L1-L2 | [14] | 0,1 |
| 3671 | SHORT | RD | V | Harmonic U L1-L2 | [15] | 0,1 |
| 3672 | SHORT | RD | V | Harmonic U L1-L2 | [16] | 0,1 |
| 3673 | SHORT | RD | V | Harmonic U L1-L2 | [17] | 0,1 |
| 3674 | SHORT | RD | V | Harmonic U L1-L2 | [18] | 0,1 |
| 3675 | SHORT | RD | V | Harmonic U L1-L2 | [19] | 0,1 |
| 3676 | SHORT | RD | V | Harmonic U L1-L2 | [20] | 0,1 |
| 3677 | SHORT | RD | V | Harmonic U L1-L2 | [21] | 0,1 |
| 3678 | SHORT | RD | V | Harmonic U L1-L2 | [22] | 0,1 |
| 3679 | SHORT | RD | V | Harmonic U L1-L2 | [23] | 0,1 |
| 3680 | SHORT | RD | V | Harmonic U L1-L2 | [24] | 0,1 |
| 3681 | SHORT | RD | V | Harmonic U L1-L2 | [25] | 0,1 |
| 3682 | SHORT | RD | V | Harmonic U L1-L2 | [26] | 0,1 |
| 3683 | SHORT | RD | V | Harmonic U L1-L2 | [27] | 0,1 |
| 3684 | SHORT | RD | V | Harmonic U L1-L2 | [28] | 0,1 |
| 3685 | SHORT | RD | V | Harmonic U L1-L2 | [29] | 0,1 |
| 3686 | SHORT | RD | V | Harmonic U L1-L2 | [30] | 0,1 |
| 3687 | SHORT | RD | V | Harmonic U L1-L2 | [31] | 0,1 |
| 3688 | SHORT | RD | V | Harmonic U L1-L2 | [32] | 0,1 |
| 3689 | SHORT | RD | V | Harmonic U L1-L2 | [33] | 0,1 |
| 3690 | SHORT | RD | V | Harmonic U L1-L2 | [34] | 0,1 |
| 3691 | SHORT | RD | V | Harmonic U L1-L2 | [35] | 0,1 |
| 3692 | SHORT | RD | V | Harmonic U L1-L2 | [36] | 0,1 |
| 3693 | SHORT | RD | V | Harmonic U L1-L2 | [37] | 0,1 |
| 3694 | SHORT | RD | V | Harmonic U L1-L2 | [38] | 0,1 |
| 3695 | SHORT | RD | V | Harmonic U L1-L2 | [39] | 0,1 |
| 3696 | SHORT | RD | V | Harmonic U L2-L3 | [0] | 0,1 |
| 3697 | SHORT | RD | V | Harmonic U L2-L3 | [1] | 0,1 |
| 3698 | SHORT | RD | V | Harmonic U L2-L3 | [2] | 0,1 |
| 3699 | SHORT | RD | V | Harmonic U L2-L3 | [3] | 0,1 |
| 3700 | SHORT | RD | V | Harmonic U L2-L3 | [4] | 0,1 |
| 3701 | SHORT | RD | V | Harmonic U L2-L3 | [5] | 0,1 |
| 3702 | SHORT | RD | V | Harmonic U L2-L3 | [6] | 0,1 |
| 3703 | SHORT | RD | V | Harmonic U L2-L3 | [7] | 0,1 |
| 3704 | SHORT | RD | V | Harmonic U L2-L3 | [8] | 0,1 |
| 3705 | SHORT | RD | V | Harmonic U L2-L3 | [9] | 0,1 |
| 3706 | SHORT | RD | V | Harmonic U L2-L3 | [10] | 0,1 |
| 3707 | SHORT | RD | V | Harmonic U L2-L3 | [11] | 0,1 |
| 3708 | SHORT | RD | V | Harmonic U L2-L3 | [12] | 0,1 |
| 3709 | SHORT | RD | V | Harmonic U L2-L3 | [13] | 0,1 |
| 3710 | SHORT | RD | V | Harmonic U L2-L3 | [14] | 0,1 |
| 3711 | SHORT | RD | V | Harmonic U L2-L3 | [15] | 0,1 |
| 3712 | SHORT | RD | V | Harmonic U L2-L3 | [16] | 0,1 |
| 3713 | SHORT | RD | V | Harmonic U L2-L3 | [17] | 0,1 |
| 3714 | SHORT | RD | V | Harmonic U L2-L3 | [18] | 0,1 |
| 3715 | SHORT | RD | V | Harmonic U L2-L3 | [19] | 0,1 |
| 3716 | SHORT | RD | V | Harmonic U L2-L3 | [20] | 0,1 |
| 3717 | SHORT | RD | V | Harmonic U L2-L3 | [21] | 0,1 |
| 3718 | SHORT | RD | V | Harmonic U L2-L3 | [22] | 0,1 |
| 3719 | SHORT | RD | V | Harmonic U L2-L3 | [23] | 0,1 |
| 3720 | SHORT | RD | V | Harmonic U L2-L3 | [24] | 0,1 |
| 3721 | SHORT | RD | V | Harmonic U L2-L3 | [25] | 0,1 |
| 3722 | SHORT | RD | V | Harmonic U L2-L3 | [26] | 0,1 |
| 3723 | SHORT | RD | V | Harmonic U L2-L3 | [27] | 0,1 |
| 3724 | SHORT | RD | V | Harmonic U L2-L3 | [28] | 0,1 |
| 3725 | SHORT | RD | V | Harmonic U L2-L3 | [29] | 0,1 |
| 3726 | SHORT | RD | V | Harmonic U L2-L3 | [30] | 0,1 |
| 3727 | SHORT | RD | V | Harmonic U L2-L3 | [31] | 0,1 |
| 3728 | SHORT | RD | V | Harmonic U L2-L3 | [32] | 0,1 |
| 3729 | SHORT | RD | V | Harmonic U L2-L3 | [33] | 0,1 |
| 3730 | SHORT | RD | V | Harmonic U L2-L3 | [34] | 0,1 |
| 3731 | SHORT | RD | V | Harmonic U L2-L3 | [35] | 0,1 |
| 3732 | SHORT | RD | V | Harmonic U L2-L3 | [36] | 0,1 |
| 3733 | SHORT | RD | V | Harmonic U L2-L3 | [37] | 0,1 |

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| 3734 | SHORT | RD | V | Harmonic U L2-L3 | [38] | 0,1 |
| 3735 | SHORT | RD | V | Harmonic U L2-L3 | [39] | 0,1 |
| 3736 | SHORT | RD | V | Harmonic U L3-L1 | [0] | 0,1 |
| 3737 | SHORT | RD | V | Harmonic U L3-L1 | [1] | 0,1 |
| 3738 | SHORT | RD | V | Harmonic U L3-L1 | [2] | 0,1 |
| 3739 | SHORT | RD | V | Harmonic U L3-L1 | [3] | 0,1 |
| 3740 | SHORT | RD | V | Harmonic U L3-L1 | [4] | 0,1 |
| 3741 | SHORT | RD | V | Harmonic U L3-L1 | [5] | 0,1 |
| 3742 | SHORT | RD | V | Harmonic U L3-L1 | [6] | 0,1 |
| 3743 | SHORT | RD | V | Harmonic U L3-L1 | [7] | 0,1 |
| 3744 | SHORT | RD | V | Harmonic U L3-L1 | [8] | 0,1 |
| 3745 | SHORT | RD | V | Harmonic U L3-L1 | [9] | 0,1 |
| 3746 | SHORT | RD | V | Harmonic U L3-L1 | [10] | 0,1 |
| 3747 | SHORT | RD | V | Harmonic U L3-L1 | [11] | 0,1 |
| 3748 | SHORT | RD | V | Harmonic U L3-L1 | [12] | 0,1 |
| 3749 | SHORT | RD | V | Harmonic U L3-L1 | [13] | 0,1 |
| 3750 | SHORT | RD | V | Harmonic U L3-L1 | [14] | 0,1 |
| 3751 | SHORT | RD | V | Harmonic U L3-L1 | [15] | 0,1 |
| 3752 | SHORT | RD | V | Harmonic U L3-L1 | [16] | 0,1 |
| 3753 | SHORT | RD | V | Harmonic U L3-L1 | [17] | 0,1 |
| 3754 | SHORT | RD | V | Harmonic U L3-L1 | [18] | 0,1 |
| 3755 | SHORT | RD | V | Harmonic U L3-L1 | [19] | 0,1 |
| 3756 | SHORT | RD | V | Harmonic U L3-L1 | [20] | 0,1 |
| 3757 | SHORT | RD | V | Harmonic U L3-L1 | [21] | 0,1 |
| 3758 | SHORT | RD | V | Harmonic U L3-L1 | [22] | 0,1 |
| 3759 | SHORT | RD | V | Harmonic U L3-L1 | [23] | 0,1 |
| 3760 | SHORT | RD | V | Harmonic U L3-L1 | [24] | 0,1 |
| 3761 | SHORT | RD | V | Harmonic U L3-L1 | [25] | 0,1 |
| 3762 | SHORT | RD | V | Harmonic U L3-L1 | [26] | 0,1 |
| 3763 | SHORT | RD | V | Harmonic U L3-L1 | [27] | 0,1 |
| 3764 | SHORT | RD | V | Harmonic U L3-L1 | [28] | 0,1 |
| 3765 | SHORT | RD | V | Harmonic U L3-L1 | [29] | 0,1 |
| 3766 | SHORT | RD | V | Harmonic U L3-L1 | [30] | 0,1 |
| 3767 | SHORT | RD | V | Harmonic U L3-L1 | [31] | 0,1 |
| 3768 | SHORT | RD | V | Harmonic U L3-L1 | [32] | 0,1 |
| 3769 | SHORT | RD | V | Harmonic U L3-L1 | [33] | 0,1 |
| 3770 | SHORT | RD | V | Harmonic U L3-L1 | [34] | 0,1 |
| 3771 | SHORT | RD | V | Harmonic U L3-L1 | [35] | 0,1 |
| 3772 | SHORT | RD | V | Harmonic U L3-L1 | [36] | 0,1 |
| 3773 | SHORT | RD | V | Harmonic U L3-L1 | [37] | 0,1 |
| 3774 | SHORT | RD | V | Harmonic U L3-L1 | [38] | 0,1 |
| 3775 | SHORT | RD | V | Harmonic U L3-L1 | [39] | 0,1 |
| 3796 | SHORT | RD | mA | Harmonic I L1 | [0] | 1 |
| 3797 | SHORT | RD | mA | Harmonic I L1 | [1] | 1 |
| 3798 | SHORT | RD | mA | Harmonic I L1 | [2] | 1 |
| 3799 | SHORT | RD | mA | Harmonic I L1 | [3] | 1 |
| 3800 | SHORT | RD | mA | Harmonic I L1 | [4] | 1 |
| 3801 | SHORT | RD | mA | Harmonic I L1 | [5] | 1 |
| 3802 | SHORT | RD | mA | Harmonic I L1 | [6] | 1 |
| 3803 | SHORT | RD | mA | Harmonic I L1 | [7] | 1 |
| 3804 | SHORT | RD | mA | Harmonic I L1 | [8] | 1 |
| 3805 | SHORT | RD | mA | Harmonic I L1 | [9] | 1 |
| 3806 | SHORT | RD | mA | Harmonic I L1 | [10] | 1 |
| 3807 | SHORT | RD | mA | Harmonic I L1 | [11] | 1 |
| 3808 | SHORT | RD | mA | Harmonic I L1 | [12] | 1 |
| 3809 | SHORT | RD | mA | Harmonic I L1 | [13] | 1 |
| 3810 | SHORT | RD | mA | Harmonic I L1 | [14] | 1 |
| 3811 | SHORT | RD | mA | Harmonic I L1 | [15] | 1 |
| 3812 | SHORT | RD | mA | Harmonic I L1 | [16] | 1 |
| 3813 | SHORT | RD | mA | Harmonic I L1 | [17] | 1 |
| 3814 | SHORT | RD | mA | Harmonic I L1 | [18] | 1 |
| 3815 | SHORT | RD | mA | Harmonic I L1 | [19] | 1 |
| 3816 | SHORT | RD | mA | Harmonic I L1 | [20] | 1 |
| 3817 | SHORT | RD | mA | Harmonic I L1 | [21] | 1 |
| 3818 | SHORT | RD | mA | Harmonic I L1 | [22] | 1 |
| 3819 | SHORT | RD | mA | Harmonic I L1 | [23] | 1 |

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| 3820 | SHORT | RD | mA | Harmonic I L1 | [24] | 1 |
| 3821 | SHORT | RD | mA | Harmonic I L1 | [25] | 1 |
| 3822 | SHORT | RD | mA | Harmonic I L1 | [26] | 1 |
| 3823 | SHORT | RD | mA | Harmonic I L1 | [27] | 1 |
| 3824 | SHORT | RD | mA | Harmonic I L1 | [28] | 1 |
| 3825 | SHORT | RD | mA | Harmonic I L1 | [29] | 1 |
| 3826 | SHORT | RD | mA | Harmonic I L1 | [30] | 1 |
| 3827 | SHORT | RD | mA | Harmonic I L1 | [31] | 1 |
| 3828 | SHORT | RD | mA | Harmonic I L1 | [32] | 1 |
| 3829 | SHORT | RD | mA | Harmonic I L1 | [33] | 1 |
| 3830 | SHORT | RD | mA | Harmonic I L1 | [34] | 1 |
| 3831 | SHORT | RD | mA | Harmonic I L1 | [35] | 1 |
| 3832 | SHORT | RD | mA | Harmonic I L1 | [36] | 1 |
| 3833 | SHORT | RD | mA | Harmonic I L1 | [37] | 1 |
| 3834 | SHORT | RD | mA | Harmonic I L1 | [38] | 1 |
| 3835 | SHORT | RD | mA | Harmonic I L1 | [39] | 1 |
| 3836 | SHORT | RD | mA | Harmonic I L2 | [0] | 1 |
| 3837 | SHORT | RD | mA | Harmonic I L2 | [1] | 1 |
| 3838 | SHORT | RD | mA | Harmonic I L2 | [2] | 1 |
| 3839 | SHORT | RD | mA | Harmonic I L2 | [3] | 1 |
| 3840 | SHORT | RD | mA | Harmonic I L2 | [4] | 1 |
| 3841 | SHORT | RD | mA | Harmonic I L2 | [5] | 1 |
| 3842 | SHORT | RD | mA | Harmonic I L2 | [6] | 1 |
| 3843 | SHORT | RD | mA | Harmonic I L2 | [7] | 1 |
| 3844 | SHORT | RD | mA | Harmonic I L2 | [8] | 1 |
| 3845 | SHORT | RD | mA | Harmonic I L2 | [9] | 1 |
| 3846 | SHORT | RD | mA | Harmonic I L2 | [10] | 1 |
| 3847 | SHORT | RD | mA | Harmonic I L2 | [11] | 1 |
| 3848 | SHORT | RD | mA | Harmonic I L2 | [12] | 1 |
| 3849 | SHORT | RD | mA | Harmonic I L2 | [13] | 1 |
| 3850 | SHORT | RD | mA | Harmonic I L2 | [14] | 1 |
| 3851 | SHORT | RD | mA | Harmonic I L2 | [15] | 1 |
| 3852 | SHORT | RD | mA | Harmonic I L2 | [16] | 1 |
| 3853 | SHORT | RD | mA | Harmonic I L2 | [17] | 1 |
| 3854 | SHORT | RD | mA | Harmonic I L2 | [18] | 1 |
| 3855 | SHORT | RD | mA | Harmonic I L2 | [19] | 1 |
| 3856 | SHORT | RD | mA | Harmonic I L2 | [20] | 1 |
| 3857 | SHORT | RD | mA | Harmonic I L2 | [21] | 1 |
| 3858 | SHORT | RD | mA | Harmonic I L2 | [22] | 1 |
| 3859 | SHORT | RD | mA | Harmonic I L2 | [23] | 1 |
| 3860 | SHORT | RD | mA | Harmonic I L2 | [24] | 1 |
| 3861 | SHORT | RD | mA | Harmonic I L2 | [25] | 1 |
| 3862 | SHORT | RD | mA | Harmonic I L2 | [26] | 1 |
| 3863 | SHORT | RD | mA | Harmonic I L2 | [27] | 1 |
| 3864 | SHORT | RD | mA | Harmonic I L2 | [28] | 1 |
| 3865 | SHORT | RD | mA | Harmonic I L2 | [29] | 1 |
| 3866 | SHORT | RD | mA | Harmonic I L2 | [30] | 1 |
| 3867 | SHORT | RD | mA | Harmonic I L2 | [31] | 1 |
| 3868 | SHORT | RD | mA | Harmonic I L2 | [32] | 1 |
| 3869 | SHORT | RD | mA | Harmonic I L2 | [33] | 1 |
| 3870 | SHORT | RD | mA | Harmonic I L2 | [34] | 1 |
| 3871 | SHORT | RD | mA | Harmonic I L2 | [35] | 1 |
| 3872 | SHORT | RD | mA | Harmonic I L2 | [36] | 1 |
| 3873 | SHORT | RD | mA | Harmonic I L2 | [37] | 1 |
| 3874 | SHORT | RD | mA | Harmonic I L2 | [38] | 1 |
| 3875 | SHORT | RD | mA | Harmonic I L2 | [39] | 1 |
| 3876 | SHORT | RD | mA | Harmonic I L3 | [0] | 1 |
| 3877 | SHORT | RD | mA | Harmonic I L3 | [1] | 1 |
| 3878 | SHORT | RD | mA | Harmonic I L3 | [2] | 1 |
| 3879 | SHORT | RD | mA | Harmonic I L3 | [3] | 1 |
| 3880 | SHORT | RD | mA | Harmonic I L3 | [4] | 1 |
| 3881 | SHORT | RD | mA | Harmonic I L3 | [5] | 1 |
| 3882 | SHORT | RD | mA | Harmonic I L3 | [6] | 1 |
| 3883 | SHORT | RD | mA | Harmonic I L3 | [7] | 1 |
| 3884 | SHORT | RD | mA | Harmonic I L3 | [8] | 1 |
| 3885 | SHORT | RD | mA | Harmonic I L3 | [9] | 1 |

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| 3886 | SHORT | RD | mA | Harmonic I L3 | [10] | 1 |
| 3887 | SHORT | RD | mA | Harmonic I L3 | [11] | 1 |
| 3888 | SHORT | RD | mA | Harmonic I L3 | [12] | 1 |
| 3889 | SHORT | RD | mA | Harmonic I L3 | [13] | 1 |
| 3890 | SHORT | RD | mA | Harmonic I L3 | [14] | 1 |
| 3891 | SHORT | RD | mA | Harmonic I L3 | [15] | 1 |
| 3892 | SHORT | RD | mA | Harmonic I L3 | [16] | 1 |
| 3893 | SHORT | RD | mA | Harmonic I L3 | [17] | 1 |
| 3894 | SHORT | RD | mA | Harmonic I L3 | [18] | 1 |
| 3895 | SHORT | RD | mA | Harmonic I L3 | [19] | 1 |
| 3896 | SHORT | RD | mA | Harmonic I L3 | [20] | 1 |
| 3897 | SHORT | RD | mA | Harmonic I L3 | [21] | 1 |
| 3898 | SHORT | RD | mA | Harmonic I L3 | [22] | 1 |
| 3899 | SHORT | RD | mA | Harmonic I L3 | [23] | 1 |
| 3900 | SHORT | RD | mA | Harmonic I L3 | [24] | 1 |
| 3901 | SHORT | RD | mA | Harmonic I L3 | [25] | 1 |
| 3902 | SHORT | RD | mA | Harmonic I L3 | [26] | 1 |
| 3903 | SHORT | RD | mA | Harmonic I L3 | [27] | 1 |
| 3904 | SHORT | RD | mA | Harmonic I L3 | [28] | 1 |
| 3905 | SHORT | RD | mA | Harmonic I L3 | [29] | 1 |
| 3906 | SHORT | RD | mA | Harmonic I L3 | [30] | 1 |
| 3907 | SHORT | RD | mA | Harmonic I L3 | [31] | 1 |
| 3908 | SHORT | RD | mA | Harmonic I L3 | [32] | 1 |
| 3909 | SHORT | RD | mA | Harmonic I L3 | [33] | 1 |
| 3910 | SHORT | RD | mA | Harmonic I L3 | [34] | 1 |
| 3911 | SHORT | RD | mA | Harmonic I L3 | [35] | 1 |
| 3912 | SHORT | RD | mA | Harmonic I L3 | [36] | 1 |
| 3913 | SHORT | RD | mA | Harmonic I L3 | [37] | 1 |
| 3914 | SHORT | RD | mA | Harmonic I L3 | [38] | 1 |
| 3915 | SHORT | RD | mA | Harmonic I L3 | [39] | 1 |
| 10730 | SHORT | RD | mA | Harmonic I L4 | [0] | 1 |
| 10731 | SHORT | RD | mA | Harmonic I L4 | [1] | 1 |
| 10732 | SHORT | RD | mA | Harmonic I L4 | [2] | 1 |
| 10733 | SHORT | RD | mA | Harmonic I L4 | [3] | 1 |
| 10734 | SHORT | RD | mA | Harmonic I L4 | [4] | 1 |
| 10735 | SHORT | RD | mA | Harmonic I L4 | [5] | 1 |
| 10736 | SHORT | RD | mA | Harmonic I L4 | [6] | 1 |
| 10737 | SHORT | RD | mA | Harmonic I L4 | [7] | 1 |
| 10738 | SHORT | RD | mA | Harmonic I L4 | [8] | 1 |
| 10739 | SHORT | RD | mA | Harmonic I L4 | [9] | 1 |
| 10740 | SHORT | RD | mA | Harmonic I L4 | [10] | 1 |
| 10741 | SHORT | RD | mA | Harmonic I L4 | [11] | 1 |
| 10742 | SHORT | RD | mA | Harmonic I L4 | [12] | 1 |
| 10743 | SHORT | RD | mA | Harmonic I L4 | [13] | 1 |
| 10744 | SHORT | RD | mA | Harmonic I L4 | [14] | 1 |
| 10745 | SHORT | RD | mA | Harmonic I L4 | [15] | 1 |
| 10746 | SHORT | RD | mA | Harmonic I L4 | [16] | 1 |
| 10747 | SHORT | RD | mA | Harmonic I L4 | [17] | 1 |
| 10748 | SHORT | RD | mA | Harmonic I L4 | [18] | 1 |
| 10749 | SHORT | RD | mA | Harmonic I L4 | [19] | 1 |
| 10750 | SHORT | RD | mA | Harmonic I L4 | [20] | 1 |
| 10751 | SHORT | RD | mA | Harmonic I L4 | [21] | 1 |
| 10752 | SHORT | RD | mA | Harmonic I L4 | [22] | 1 |
| 10753 | SHORT | RD | mA | Harmonic I L4 | [23] | 1 |
| 10754 | SHORT | RD | mA | Harmonic I L4 | [24] | 1 |
| 10755 | SHORT | RD | mA | Harmonic I L4 | [25] | 1 |
| 10756 | SHORT | RD | mA | Harmonic I L4 | [26] | 1 |
| 10757 | SHORT | RD | mA | Harmonic I L4 | [27] | 1 |
| 10758 | SHORT | RD | mA | Harmonic I L4 | [28] | 1 |
| 10759 | SHORT | RD | mA | Harmonic I L4 | [29] | 1 |
| 10760 | SHORT | RD | mA | Harmonic I L4 | [30] | 1 |
| 10761 | SHORT | RD | mA | Harmonic I L4 | [31] | 1 |
| 10762 | SHORT | RD | mA | Harmonic I L4 | [32] | 1 |
| 10763 | SHORT | RD | mA | Harmonic I L4 | [33] | 1 |
| 10764 | SHORT | RD | mA | Harmonic I L4 | [34] | 1 |

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| 10765 | SHORT | RD | mA | Harmonic I L4 | [35] | 1 |
| 10766 | SHORT | RD | mA | Harmonic I L4 | [36] | 1 |
| 10767 | SHORT | RD | mA | Harmonic I L4 | [37] | 1 |
| 10768 | SHORT | RD | mA | Harmonic I L4 | [38] | 1 |
| 10769 | SHORT | RD | mA | Harmonic I L4 | [39] | 1 |
| 11281 | SHORT | RD | mA | Harmonic I Diff1 | [0] | 1 |
| 11282 | SHORT | RD | mA | Harmonic I Diff1 | [1] | 1 |
| 11283 | SHORT | RD | mA | Harmonic I Diff1 | [2] | 1 |
| 11284 | SHORT | RD | mA | Harmonic I Diff1 | [3] | 1 |
| 11285 | SHORT | RD | mA | Harmonic I Diff1 | [4] | 1 |
| 11286 | SHORT | RD | mA | Harmonic I Diff1 | [5] | 1 |
| 11287 | SHORT | RD | mA | Harmonic I Diff1 | [6] | 1 |
| 11288 | SHORT | RD | mA | Harmonic I Diff1 | [7] | 1 |
| 11289 | SHORT | RD | mA | Harmonic I Diff1 | [8] | 1 |
| 11290 | SHORT | RD | mA | Harmonic I Diff1 | [9] | 1 |
| 11291 | SHORT | RD | mA | Harmonic I Diff1 | [10] | 1 |
| 11292 | SHORT | RD | mA | Harmonic I Diff1 | [11] | 1 |
| 11293 | SHORT | RD | mA | Harmonic I Diff1 | [12] | 1 |
| 11294 | SHORT | RD | mA | Harmonic I Diff1 | [13] | 1 |
| 11295 | SHORT | RD | mA | Harmonic I Diff1 | [14] | 1 |
| 11296 | SHORT | RD | mA | Harmonic I Diff1 | [15] | 1 |
| 11297 | SHORT | RD | mA | Harmonic I Diff1 | [16] | 1 |
| 11298 | SHORT | RD | mA | Harmonic I Diff1 | [17] | 1 |
| 11299 | SHORT | RD | mA | Harmonic I Diff1 | [18] | 1 |
| 11300 | SHORT | RD | mA | Harmonic I Diff1 | [19] | 1 |
| 11301 | SHORT | RD | mA | Harmonic I Diff1 | [20] | 1 |
| 11302 | SHORT | RD | mA | Harmonic I Diff1 | [21] | 1 |
| 11303 | SHORT | RD | mA | Harmonic I Diff1 | [22] | 1 |
| 11304 | SHORT | RD | mA | Harmonic I Diff1 | [23] | 1 |
| 11305 | SHORT | RD | mA | Harmonic I Diff1 | [24] | 1 |
| 11306 | SHORT | RD | mA | Harmonic I Diff1 | [25] | 1 |
| 11307 | SHORT | RD | mA | Harmonic I Diff1 | [26] | 1 |
| 11308 | SHORT | RD | mA | Harmonic I Diff1 | [27] | 1 |
| 11309 | SHORT | RD | mA | Harmonic I Diff1 | [28] | 1 |
| 11310 | SHORT | RD | mA | Harmonic I Diff1 | [29] | 1 |
| 11311 | SHORT | RD | mA | Harmonic I Diff1 | [30] | 1 |
| 11312 | SHORT | RD | mA | Harmonic I Diff1 | [31] | 1 |
| 11313 | SHORT | RD | mA | Harmonic I Diff1 | [32] | 1 |
| 11314 | SHORT | RD | mA | Harmonic I Diff1 | [33] | 1 |
| 11315 | SHORT | RD | mA | Harmonic I Diff1 | [34] | 1 |
| 11316 | SHORT | RD | mA | Harmonic I Diff1 | [35] | 1 |
| 11317 | SHORT | RD | mA | Harmonic I Diff1 | [36] | 1 |
| 11318 | SHORT | RD | mA | Harmonic I Diff1 | [37] | 1 |
| 11319 | SHORT | RD | mA | Harmonic I Diff1 | [38] | 1 |
| 11320 | SHORT | RD | mA | Harmonic I Diff1 | [39] | 1 |
| 11321 | SHORT | RD | mA | Harmonic I Diff2 | [0] | 1 |
| 11322 | SHORT | RD | mA | Harmonic I Diff2 | [1] | 1 |
| 11323 | SHORT | RD | mA | Harmonic I Diff2 | [2] | 1 |
| 11324 | SHORT | RD | mA | Harmonic I Diff2 | [3] | 1 |
| 11325 | SHORT | RD | mA | Harmonic I Diff2 | [4] | 1 |
| 11326 | SHORT | RD | mA | Harmonic I Diff2 | [5] | 1 |
| 11327 | SHORT | RD | mA | Harmonic I Diff2 | [6] | 1 |
| 11328 | SHORT | RD | mA | Harmonic I Diff2 | [7] | 1 |
| 11329 | SHORT | RD | mA | Harmonic I Diff2 | [8] | 1 |
| 11330 | SHORT | RD | mA | Harmonic I Diff2 | [9] | 1 |
| 11331 | SHORT | RD | mA | Harmonic I Diff2 | [10] | 1 |
| 11332 | SHORT | RD | mA | Harmonic I Diff2 | [11] | 1 |
| 11333 | SHORT | RD | mA | Harmonic I Diff2 | [12] | 1 |
| 11334 | SHORT | RD | mA | Harmonic I Diff2 | [13] | 1 |
| 11335 | SHORT | RD | mA | Harmonic I Diff2 | [14] | 1 |
| 11336 | SHORT | RD | mA | Harmonic I Diff2 | [15] | 1 |
| 11337 | SHORT | RD | mA | Harmonic I Diff2 | [16] | 1 |
| 11338 | SHORT | RD | mA | Harmonic I Diff2 | [17] | 1 |
| 11339 | SHORT | RD | mA | Harmonic I Diff2 | [18] | 1 |
| 11340 | SHORT | RD | mA | Harmonic I Diff2 | [19] | 1 |

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| 11341 | SHORT | RD | mA | Harmonic I Diff2 | [20] | 1 |
| 11342 | SHORT | RD | mA | Harmonic I Diff2 | [21] | 1 |
| 11343 | SHORT | RD | mA | Harmonic I Diff2 | [22] | 1 |
| 11344 | SHORT | RD | mA | Harmonic I Diff2 | [23] | 1 |
| 11345 | SHORT | RD | mA | Harmonic I Diff2 | [24] | 1 |
| 11346 | SHORT | RD | mA | Harmonic I Diff2 | [25] | 1 |
| 11347 | SHORT | RD | mA | Harmonic I Diff2 | [26] | 1 |
| 11348 | SHORT | RD | mA | Harmonic I Diff2 | [27] | 1 |
| 11349 | SHORT | RD | mA | Harmonic I Diff2 | [28] | 1 |
| 11350 | SHORT | RD | mA | Harmonic I Diff2 | [29] | 1 |
| 11351 | SHORT | RD | mA | Harmonic I Diff2 | [30] | 1 |
| 11352 | SHORT | RD | mA | Harmonic I Diff2 | [31] | 1 |
| 11353 | SHORT | RD | mA | Harmonic I Diff2 | [32] | 1 |
| 11354 | SHORT | RD | mA | Harmonic I Diff2 | [33] | 1 |
| 11355 | SHORT | RD | mA | Harmonic I Diff2 | [34] | 1 |
| 11356 | SHORT | RD | mA | Harmonic I Diff2 | [35] | 1 |
| 11357 | SHORT | RD | mA | Harmonic I Diff2 | [36] | 1 |
| 11358 | SHORT | RD | mA | Harmonic I Diff2 | [37] | 1 |
| 11359 | SHORT | RD | mA | Harmonic I Diff2 | [38] | 1 |
| 11360 | SHORT | RD | mA | Harmonic I Diff2 | [39] | 1 |

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|---------|--------|-------|---------|------------------------|-------|
| 1740 | FLOAT | RD | V | Average, Harmonic U L1 | [0] |
| 1742 | FLOAT | RD | V | Average, Harmonic U L1 | [1] |
| 1744 | FLOAT | RD | V | Average, Harmonic U L1 | [2] |
| 1746 | FLOAT | RD | V | Average, Harmonic U L1 | [3] |
| 1748 | FLOAT | RD | V | Average, Harmonic U L1 | [4] |
| 1750 | FLOAT | RD | V | Average, Harmonic U L1 | [5] |
| 1752 | FLOAT | RD | V | Average, Harmonic U L1 | [6] |
| 1754 | FLOAT | RD | V | Average, Harmonic U L1 | [7] |
| 1756 | FLOAT | RD | V | Average, Harmonic U L1 | [8] |
| 1758 | FLOAT | RD | V | Average, Harmonic U L1 | [9] |
| 1760 | FLOAT | RD | V | Average, Harmonic U L1 | [10] |
| 1762 | FLOAT | RD | V | Average, Harmonic U L1 | [11] |
| 1764 | FLOAT | RD | V | Average, Harmonic U L1 | [12] |
| 1766 | FLOAT | RD | V | Average, Harmonic U L1 | [13] |
| 1768 | FLOAT | RD | V | Average, Harmonic U L1 | [14] |
| 1770 | FLOAT | RD | V | Average, Harmonic U L1 | [15] |
| 1772 | FLOAT | RD | V | Average, Harmonic U L1 | [16] |
| 1774 | FLOAT | RD | V | Average, Harmonic U L1 | [17] |
| 1776 | FLOAT | RD | V | Average, Harmonic U L1 | [18] |
| 1778 | FLOAT | RD | V | Average, Harmonic U L1 | [19] |
| 1780 | FLOAT | RD | V | Average, Harmonic U L1 | [20] |
| 1782 | FLOAT | RD | V | Average, Harmonic U L1 | [21] |
| 1784 | FLOAT | RD | V | Average, Harmonic U L1 | [22] |
| 1786 | FLOAT | RD | V | Average, Harmonic U L1 | [23] |
| 1788 | FLOAT | RD | V | Average, Harmonic U L1 | [24] |
| 1790 | FLOAT | RD | V | Average, Harmonic U L1 | [25] |
| 1792 | FLOAT | RD | V | Average, Harmonic U L1 | [26] |
| 1794 | FLOAT | RD | V | Average, Harmonic U L1 | [27] |
| 1796 | FLOAT | RD | V | Average, Harmonic U L1 | [28] |
| 1798 | FLOAT | RD | V | Average, Harmonic U L1 | [29] |
| 1800 | FLOAT | RD | V | Average, Harmonic U L1 | [30] |
| 1802 | FLOAT | RD | V | Average, Harmonic U L1 | [31] |
| 1804 | FLOAT | RD | V | Average, Harmonic U L1 | [32] |
| 1806 | FLOAT | RD | V | Average, Harmonic U L1 | [33] |
| 1808 | FLOAT | RD | V | Average, Harmonic U L1 | [34] |
| 1810 | FLOAT | RD | V | Average, Harmonic U L1 | [35] |
| 1812 | FLOAT | RD | V | Average, Harmonic U L1 | [36] |
| 1814 | FLOAT | RD | V | Average, Harmonic U L1 | [37] |
| 1816 | FLOAT | RD | V | Average, Harmonic U L1 | [38] |
| 1818 | FLOAT | RD | V | Average, Harmonic U L1 | [39] |
| 1820 | FLOAT | RD | V | Average, Harmonic U L2 | [0] |
| 1822 | FLOAT | RD | V | Average, Harmonic U L2 | [1] |
| 1824 | FLOAT | RD | V | Average, Harmonic U L2 | [2] |
| 1826 | FLOAT | RD | V | Average, Harmonic U L2 | [3] |
| 1828 | FLOAT | RD | V | Average, Harmonic U L2 | [4] |
| 1830 | FLOAT | RD | V | Average, Harmonic U L2 | [5] |
| 1832 | FLOAT | RD | V | Average, Harmonic U L2 | [6] |
| 1834 | FLOAT | RD | V | Average, Harmonic U L2 | [7] |
| 1836 | FLOAT | RD | V | Average, Harmonic U L2 | [8] |
| 1838 | FLOAT | RD | V | Average, Harmonic U L2 | [9] |
| 1840 | FLOAT | RD | V | Average, Harmonic U L2 | [10] |
| 1842 | FLOAT | RD | V | Average, Harmonic U L2 | [11] |
| 1844 | FLOAT | RD | V | Average, Harmonic U L2 | [12] |
| 1846 | FLOAT | RD | V | Average, Harmonic U L2 | [13] |
| 1848 | FLOAT | RD | V | Average, Harmonic U L2 | [14] |
| 1850 | FLOAT | RD | V | Average, Harmonic U L2 | [15] |
| 1852 | FLOAT | RD | V | Average, Harmonic U L2 | [16] |
| 1854 | FLOAT | RD | V | Average, Harmonic U L2 | [17] |
| 1856 | FLOAT | RD | V | Average, Harmonic U L2 | [18] |
| 1858 | FLOAT | RD | V | Average, Harmonic U L2 | [19] |
| 1860 | FLOAT | RD | V | Average, Harmonic U L2 | [20] |
| 1862 | FLOAT | RD | V | Average, Harmonic U L2 | [21] |
| 1864 | FLOAT | RD | V | Average, Harmonic U L2 | [22] |
| 1866 | FLOAT | RD | V | Average, Harmonic U L2 | [23] |
| 1868 | FLOAT | RD | V | Average, Harmonic U L2 | [24] |
| 1870 | FLOAT | RD | V | Average, Harmonic U L2 | [25] |

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| 1872 | FLOAT | RD | V | Average, Harmonic U L2 | [26] |
| 1874 | FLOAT | RD | V | Average, Harmonic U L2 | [27] |
| 1876 | FLOAT | RD | V | Average, Harmonic U L2 | [28] |
| 1878 | FLOAT | RD | V | Average, Harmonic U L2 | [29] |
| 1880 | FLOAT | RD | V | Average, Harmonic U L2 | [30] |
| 1882 | FLOAT | RD | V | Average, Harmonic U L2 | [31] |
| 1884 | FLOAT | RD | V | Average, Harmonic U L2 | [32] |
| 1886 | FLOAT | RD | V | Average, Harmonic U L2 | [33] |
| 1888 | FLOAT | RD | V | Average, Harmonic U L2 | [34] |
| 1890 | FLOAT | RD | V | Average, Harmonic U L2 | [35] |
| 1892 | FLOAT | RD | V | Average, Harmonic U L2 | [36] |
| 1894 | FLOAT | RD | V | Average, Harmonic U L2 | [37] |
| 1896 | FLOAT | RD | V | Average, Harmonic U L2 | [38] |
| 1898 | FLOAT | RD | V | Average, Harmonic U L2 | [39] |
| 1900 | FLOAT | RD | V | Average, Harmonic U L3 | [0] |
| 1902 | FLOAT | RD | V | Average, Harmonic U L3 | [1] |
| 1904 | FLOAT | RD | V | Average, Harmonic U L3 | [2] |
| 1906 | FLOAT | RD | V | Average, Harmonic U L3 | [3] |
| 1908 | FLOAT | RD | V | Average, Harmonic U L3 | [4] |
| 1910 | FLOAT | RD | V | Average, Harmonic U L3 | [5] |
| 1912 | FLOAT | RD | V | Average, Harmonic U L3 | [6] |
| 1914 | FLOAT | RD | V | Average, Harmonic U L3 | [7] |
| 1916 | FLOAT | RD | V | Average, Harmonic U L3 | [8] |
| 1918 | FLOAT | RD | V | Average, Harmonic U L3 | [9] |
| 1920 | FLOAT | RD | V | Average, Harmonic U L3 | [10] |
| 1922 | FLOAT | RD | V | Average, Harmonic U L3 | [11] |
| 1924 | FLOAT | RD | V | Average, Harmonic U L3 | [12] |
| 1926 | FLOAT | RD | V | Average, Harmonic U L3 | [13] |
| 1928 | FLOAT | RD | V | Average, Harmonic U L3 | [14] |
| 1930 | FLOAT | RD | V | Average, Harmonic U L3 | [15] |
| 1932 | FLOAT | RD | V | Average, Harmonic U L3 | [16] |
| 1934 | FLOAT | RD | V | Average, Harmonic U L3 | [17] |
| 1936 | FLOAT | RD | V | Average, Harmonic U L3 | [18] |
| 1938 | FLOAT | RD | V | Average, Harmonic U L3 | [19] |
| 1940 | FLOAT | RD | V | Average, Harmonic U L3 | [20] |
| 1942 | FLOAT | RD | V | Average, Harmonic U L3 | [21] |
| 1944 | FLOAT | RD | V | Average, Harmonic U L3 | [22] |
| 1946 | FLOAT | RD | V | Average, Harmonic U L3 | [23] |
| 1948 | FLOAT | RD | V | Average, Harmonic U L3 | [24] |
| 1950 | FLOAT | RD | V | Average, Harmonic U L3 | [25] |
| 1952 | FLOAT | RD | V | Average, Harmonic U L3 | [26] |
| 1954 | FLOAT | RD | V | Average, Harmonic U L3 | [27] |
| 1956 | FLOAT | RD | V | Average, Harmonic U L3 | [28] |
| 1958 | FLOAT | RD | V | Average, Harmonic U L3 | [29] |
| 1960 | FLOAT | RD | V | Average, Harmonic U L3 | [30] |
| 1962 | FLOAT | RD | V | Average, Harmonic U L3 | [31] |
| 1964 | FLOAT | RD | V | Average, Harmonic U L3 | [32] |
| 1966 | FLOAT | RD | V | Average, Harmonic U L3 | [33] |
| 1968 | FLOAT | RD | V | Average, Harmonic U L3 | [34] |
| 1970 | FLOAT | RD | V | Average, Harmonic U L3 | [35] |
| 1972 | FLOAT | RD | V | Average, Harmonic U L3 | [36] |
| 1974 | FLOAT | RD | V | Average, Harmonic U L3 | [37] |
| 1976 | FLOAT | RD | V | Average, Harmonic U L3 | [38] |
| 1978 | FLOAT | RD | V | Average, Harmonic U L3 | [39] |
| 1980 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [0] |
| 1982 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [1] |
| 1984 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [2] |
| 1986 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [3] |
| 1988 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [4] |
| 1990 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [5] |
| 1992 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [6] |
| 1994 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [7] |
| 1996 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [8] |
| 1998 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [9] |
| 2000 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [10] |
| 2002 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [11] |

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| 2004 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [12] |
| 2006 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [13] |
| 2008 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [14] |
| 2010 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [15] |
| 2012 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [16] |
| 2014 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [17] |
| 2016 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [18] |
| 2018 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [19] |
| 2020 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [20] |
| 2022 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [21] |
| 2024 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [22] |
| 2026 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [23] |
| 2028 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [24] |
| 2030 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [25] |
| 2032 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [26] |
| 2034 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [27] |
| 2036 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [28] |
| 2038 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [29] |
| 2040 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [30] |
| 2042 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [31] |
| 2044 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [32] |
| 2046 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [33] |
| 2048 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [34] |
| 2050 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [35] |
| 2052 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [36] |
| 2054 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [37] |
| 2056 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [38] |
| 2058 | FLOAT | RD | V | Average, Harmonic U L1-L2 | [39] |
| 2060 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [0] |
| 2062 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [1] |
| 2064 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [2] |
| 2066 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [3] |
| 2068 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [4] |
| 2070 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [5] |
| 2072 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [6] |
| 2074 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [7] |
| 2076 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [8] |
| 2078 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [9] |
| 2080 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [10] |
| 2082 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [11] |
| 2084 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [12] |
| 2086 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [13] |
| 2088 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [14] |
| 2090 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [15] |
| 2092 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [16] |
| 2094 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [17] |
| 2096 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [18] |
| 2098 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [19] |
| 2100 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [20] |
| 2102 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [21] |
| 2104 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [22] |
| 2106 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [23] |
| 2108 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [24] |
| 2110 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [25] |
| 2112 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [26] |
| 2114 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [27] |
| 2116 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [28] |
| 2118 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [29] |
| 2120 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [30] |
| 2122 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [31] |
| 2124 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [32] |
| 2126 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [33] |
| 2128 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [34] |
| 2130 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [35] |
| 2132 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [36] |
| 2134 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [37] |

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| 2136 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [38] |
| 2138 | FLOAT | RD | V | Average, Harmonic U L2-L3 | [39] |
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| 2142 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [1] |
| 2144 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [2] |
| 2146 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [3] |
| 2148 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [4] |
| 2150 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [5] |
| 2152 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [6] |
| 2154 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [7] |
| 2156 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [8] |
| 2158 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [9] |
| 2160 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [10] |
| 2162 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [11] |
| 2164 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [12] |
| 2166 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [13] |
| 2168 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [14] |
| 2170 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [15] |
| 2172 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [16] |
| 2174 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [17] |
| 2176 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [18] |
| 2178 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [19] |
| 2180 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [20] |
| 2182 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [21] |
| 2184 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [22] |
| 2186 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [23] |
| 2188 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [24] |
| 2190 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [25] |
| 2192 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [26] |
| 2194 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [27] |
| 2196 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [28] |
| 2198 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [29] |
| 2200 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [30] |
| 2202 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [31] |
| 2204 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [32] |
| 2206 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [33] |
| 2208 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [34] |
| 2210 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [35] |
| 2212 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [36] |
| 2214 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [37] |
| 2216 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [38] |
| 2218 | FLOAT | RD | V | Average, Harmonic U L3-L1 | [39] |
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| 2304 | FLOAT | RD | A | Average, Harmonic I L1 | [22] |
| 2306 | FLOAT | RD | A | Average, Harmonic I L1 | [23] |

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| 2316 | FLOAT | RD | A | Average, Harmonic I L1 | [28] |
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| 2338 | FLOAT | RD | A | Average, Harmonic I L1 | [39] |
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| 2376 | FLOAT | RD | A | Average, Harmonic I L2 | [18] |
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| 2398 | FLOAT | RD | A | Average, Harmonic I L2 | [29] |
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| 2406 | FLOAT | RD | A | Average, Harmonic I L2 | [33] |
| 2408 | FLOAT | RD | A | Average, Harmonic I L2 | [34] |
| 2410 | FLOAT | RD | A | Average, Harmonic I L2 | [35] |
| 2412 | FLOAT | RD | A | Average, Harmonic I L2 | [36] |
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| 2416 | FLOAT | RD | A | Average, Harmonic I L2 | [38] |
| 2418 | FLOAT | RD | A | Average, Harmonic I L2 | [39] |
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| 2426 | FLOAT | RD | A | Average, Harmonic I L3 | [3] |
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| 2432 | FLOAT | RD | A | Average, Harmonic I L3 | [6] |
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| 2436 | FLOAT | RD | A | Average, Harmonic I L3 | [8] |
| 2438 | FLOAT | RD | A | Average, Harmonic I L3 | [9] |

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| 2494 | FLOAT | RD | A | Average, Harmonic I L3 | [37] |
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| 10651 | FLOAT | RD | A | Average, Harmonic IL4 | [4] |
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| 10711 | FLOAT | RD | A | Average, Harmonic IL4 | [34] |

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| 10713 | FLOAT | RD | A | Average, Harmonic IL4 | [35] |
| 10715 | FLOAT | RD | A | Average, Harmonic IL4 | [36] |
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| 11069 | FLOAT | RD | A | Average, Harmonic A Diff1 | [6] |
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| 11143 | FLOAT | RD | A | Average, Harmonic A Diff2 | [3] |
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| 11147 | FLOAT | RD | A | Average, Harmonic A Diff2 | [5] |
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| 11151 | FLOAT | RD | A | Average, Harmonic A Diff2 | [7] |
| 11153 | FLOAT | RD | A | Average, Harmonic A Diff2 | [8] |
| 11155 | FLOAT | RD | A | Average, Harmonic A Diff2 | [9] |
| 11157 | FLOAT | RD | A | Average, Harmonic A Diff2 | [10] |
| 11159 | FLOAT | RD | A | Average, Harmonic A Diff2 | [11] |
| 11161 | FLOAT | RD | A | Average, Harmonic A Diff2 | [12] |
| 11163 | FLOAT | RD | A | Average, Harmonic A Diff2 | [13] |
| 11165 | FLOAT | RD | A | Average, Harmonic A Diff2 | [14] |
| 11167 | FLOAT | RD | A | Average, Harmonic A Diff2 | [15] |
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| 11173 | FLOAT | RD | A | Average, Harmonic A Diff2 | [18] |
| 11175 | FLOAT | RD | A | Average, Harmonic A Diff2 | [19] |

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|---------|--------|-------|---------|---------------------------|-------|
| 11177 | FLOAT | RD | A | Average, Harmonic A Diff2 | [20] |
| 11179 | FLOAT | RD | A | Average, Harmonic A Diff2 | [21] |
| 11181 | FLOAT | RD | A | Average, Harmonic A Diff2 | [22] |
| 11183 | FLOAT | RD | A | Average, Harmonic A Diff2 | [23] |
| 11185 | FLOAT | RD | A | Average, Harmonic A Diff2 | [24] |
| 11187 | FLOAT | RD | A | Average, Harmonic A Diff2 | [25] |
| 11189 | FLOAT | RD | A | Average, Harmonic A Diff2 | [26] |
| 11191 | FLOAT | RD | A | Average, Harmonic A Diff2 | [27] |
| 11193 | FLOAT | RD | A | Average, Harmonic A Diff2 | [28] |
| 11195 | FLOAT | RD | A | Average, Harmonic A Diff2 | [29] |
| 11197 | FLOAT | RD | A | Average, Harmonic A Diff2 | [30] |
| 11199 | FLOAT | RD | A | Average, Harmonic A Diff2 | [31] |
| 11201 | FLOAT | RD | A | Average, Harmonic A Diff2 | [32] |
| 11203 | FLOAT | RD | A | Average, Harmonic A Diff2 | [33] |
| 11205 | FLOAT | RD | A | Average, Harmonic A Diff2 | [34] |
| 11207 | FLOAT | RD | A | Average, Harmonic A Diff2 | [35] |
| 11209 | FLOAT | RD | A | Average, Harmonic A Diff2 | [36] |
| 11211 | FLOAT | RD | A | Average, Harmonic A Diff2 | [37] |
| 11213 | FLOAT | RD | A | Average, Harmonic A Diff2 | [38] |
| 11215 | FLOAT | RD | A | Average, Harmonic A Diff2 | [39] |

Mittelwerte, Typ Short, Fourieranalyse

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|---------|--------|-------|---------|------------------------|-------|-----------|
| 3966 | SHORT | RD | V | Average, Harmonic U L1 | [0] | 0,1 |
| 3967 | SHORT | RD | V | Average, Harmonic U L1 | [1] | 0,1 |
| 3968 | SHORT | RD | V | Average, Harmonic U L1 | [2] | 0,1 |
| 3969 | SHORT | RD | V | Average, Harmonic U L1 | [3] | 0,1 |
| 3970 | SHORT | RD | V | Average, Harmonic U L1 | [4] | 0,1 |
| 3971 | SHORT | RD | V | Average, Harmonic U L1 | [5] | 0,1 |
| 3972 | SHORT | RD | V | Average, Harmonic U L1 | [6] | 0,1 |
| 3973 | SHORT | RD | V | Average, Harmonic U L1 | [7] | 0,1 |
| 3974 | SHORT | RD | V | Average, Harmonic U L1 | [8] | 0,1 |
| 3975 | SHORT | RD | V | Average, Harmonic U L1 | [9] | 0,1 |
| 3976 | SHORT | RD | V | Average, Harmonic U L1 | [10] | 0,1 |
| 3977 | SHORT | RD | V | Average, Harmonic U L1 | [11] | 0,1 |
| 3978 | SHORT | RD | V | Average, Harmonic U L1 | [12] | 0,1 |
| 3979 | SHORT | RD | V | Average, Harmonic U L1 | [13] | 0,1 |
| 3980 | SHORT | RD | V | Average, Harmonic U L1 | [14] | 0,1 |
| 3981 | SHORT | RD | V | Average, Harmonic U L1 | [15] | 0,1 |
| 3982 | SHORT | RD | V | Average, Harmonic U L1 | [16] | 0,1 |
| 3983 | SHORT | RD | V | Average, Harmonic U L1 | [17] | 0,1 |
| 3984 | SHORT | RD | V | Average, Harmonic U L1 | [18] | 0,1 |
| 3985 | SHORT | RD | V | Average, Harmonic U L1 | [19] | 0,1 |
| 3986 | SHORT | RD | V | Average, Harmonic U L1 | [20] | 0,1 |
| 3987 | SHORT | RD | V | Average, Harmonic U L1 | [21] | 0,1 |
| 3988 | SHORT | RD | V | Average, Harmonic U L1 | [22] | 0,1 |
| 3989 | SHORT | RD | V | Average, Harmonic U L1 | [23] | 0,1 |
| 3990 | SHORT | RD | V | Average, Harmonic U L1 | [24] | 0,1 |
| 3991 | SHORT | RD | V | Average, Harmonic U L1 | [25] | 0,1 |
| 3992 | SHORT | RD | V | Average, Harmonic U L1 | [26] | 0,1 |
| 3993 | SHORT | RD | V | Average, Harmonic U L1 | [27] | 0,1 |
| 3994 | SHORT | RD | V | Average, Harmonic U L1 | [28] | 0,1 |
| 3995 | SHORT | RD | V | Average, Harmonic U L1 | [29] | 0,1 |
| 3996 | SHORT | RD | V | Average, Harmonic U L1 | [30] | 0,1 |
| 3997 | SHORT | RD | V | Average, Harmonic U L1 | [31] | 0,1 |
| 3998 | SHORT | RD | V | Average, Harmonic U L1 | [32] | 0,1 |
| 3999 | SHORT | RD | V | Average, Harmonic U L1 | [33] | 0,1 |
| 4000 | SHORT | RD | V | Average, Harmonic U L1 | [34] | 0,1 |
| 4001 | SHORT | RD | V | Average, Harmonic U L1 | [35] | 0,1 |
| 4002 | SHORT | RD | V | Average, Harmonic U L1 | [36] | 0,1 |
| 4003 | SHORT | RD | V | Average, Harmonic U L1 | [37] | 0,1 |
| 4004 | SHORT | RD | V | Average, Harmonic U L1 | [38] | 0,1 |
| 4005 | SHORT | RD | V | Average, Harmonic U L1 | [39] | 0,1 |
| 4006 | SHORT | RD | V | Average, Harmonic U L2 | [0] | 0,1 |
| 4007 | SHORT | RD | V | Average, Harmonic U L2 | [1] | 0,1 |
| 4008 | SHORT | RD | V | Average, Harmonic U L2 | [2] | 0,1 |
| 4009 | SHORT | RD | V | Average, Harmonic U L2 | [3] | 0,1 |
| 4010 | SHORT | RD | V | Average, Harmonic U L2 | [4] | 0,1 |
| 4011 | SHORT | RD | V | Average, Harmonic U L2 | [5] | 0,1 |
| 4012 | SHORT | RD | V | Average, Harmonic U L2 | [6] | 0,1 |
| 4013 | SHORT | RD | V | Average, Harmonic U L2 | [7] | 0,1 |
| 4014 | SHORT | RD | V | Average, Harmonic U L2 | [8] | 0,1 |
| 4015 | SHORT | RD | V | Average, Harmonic U L2 | [9] | 0,1 |
| 4016 | SHORT | RD | V | Average, Harmonic U L2 | [10] | 0,1 |
| 4017 | SHORT | RD | V | Average, Harmonic U L2 | [11] | 0,1 |
| 4018 | SHORT | RD | V | Average, Harmonic U L2 | [12] | 0,1 |
| 4019 | SHORT | RD | V | Average, Harmonic U L2 | [13] | 0,1 |
| 4020 | SHORT | RD | V | Average, Harmonic U L2 | [14] | 0,1 |
| 4021 | SHORT | RD | V | Average, Harmonic U L2 | [15] | 0,1 |
| 4022 | SHORT | RD | V | Average, Harmonic U L2 | [16] | 0,1 |
| 4023 | SHORT | RD | V | Average, Harmonic U L2 | [17] | 0,1 |
| 4024 | SHORT | RD | V | Average, Harmonic U L2 | [18] | 0,1 |
| 4025 | SHORT | RD | V | Average, Harmonic U L2 | [19] | 0,1 |
| 4026 | SHORT | RD | V | Average, Harmonic U L2 | [20] | 0,1 |
| 4027 | SHORT | RD | V | Average, Harmonic U L2 | [21] | 0,1 |
| 4028 | SHORT | RD | V | Average, Harmonic U L2 | [22] | 0,1 |
| 4029 | SHORT | RD | V | Average, Harmonic U L2 | [23] | 0,1 |
| 4030 | SHORT | RD | V | Average, Harmonic U L2 | [24] | 0,1 |
| 4031 | SHORT | RD | V | Average, Harmonic U L2 | [25] | 0,1 |

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|---------|--------|-------|---------|---------------------------|-------|-----------|
| 4032 | SHORT | RD | V | Average, Harmonic U L2 | [26] | 0,1 |
| 4033 | SHORT | RD | V | Average, Harmonic U L2 | [27] | 0,1 |
| 4034 | SHORT | RD | V | Average, Harmonic U L2 | [28] | 0,1 |
| 4035 | SHORT | RD | V | Average, Harmonic U L2 | [29] | 0,1 |
| 4036 | SHORT | RD | V | Average, Harmonic U L2 | [30] | 0,1 |
| 4037 | SHORT | RD | V | Average, Harmonic U L2 | [31] | 0,1 |
| 4038 | SHORT | RD | V | Average, Harmonic U L2 | [32] | 0,1 |
| 4039 | SHORT | RD | V | Average, Harmonic U L2 | [33] | 0,1 |
| 4040 | SHORT | RD | V | Average, Harmonic U L2 | [34] | 0,1 |
| 4041 | SHORT | RD | V | Average, Harmonic U L2 | [35] | 0,1 |
| 4042 | SHORT | RD | V | Average, Harmonic U L2 | [36] | 0,1 |
| 4043 | SHORT | RD | V | Average, Harmonic U L2 | [37] | 0,1 |
| 4044 | SHORT | RD | V | Average, Harmonic U L2 | [38] | 0,1 |
| 4045 | SHORT | RD | V | Average, Harmonic U L2 | [39] | 0,1 |
| 4046 | SHORT | RD | V | Average, Harmonic U L3 | [0] | 0,1 |
| 4047 | SHORT | RD | V | Average, Harmonic U L3 | [1] | 0,1 |
| 4048 | SHORT | RD | V | Average, Harmonic U L3 | [2] | 0,1 |
| 4049 | SHORT | RD | V | Average, Harmonic U L3 | [3] | 0,1 |
| 4050 | SHORT | RD | V | Average, Harmonic U L3 | [4] | 0,1 |
| 4051 | SHORT | RD | V | Average, Harmonic U L3 | [5] | 0,1 |
| 4052 | SHORT | RD | V | Average, Harmonic U L3 | [6] | 0,1 |
| 4053 | SHORT | RD | V | Average, Harmonic U L3 | [7] | 0,1 |
| 4054 | SHORT | RD | V | Average, Harmonic U L3 | [8] | 0,1 |
| 4055 | SHORT | RD | V | Average, Harmonic U L3 | [9] | 0,1 |
| 4056 | SHORT | RD | V | Average, Harmonic U L3 | [10] | 0,1 |
| 4057 | SHORT | RD | V | Average, Harmonic U L3 | [11] | 0,1 |
| 4058 | SHORT | RD | V | Average, Harmonic U L3 | [12] | 0,1 |
| 4059 | SHORT | RD | V | Average, Harmonic U L3 | [13] | 0,1 |
| 4060 | SHORT | RD | V | Average, Harmonic U L3 | [14] | 0,1 |
| 4061 | SHORT | RD | V | Average, Harmonic U L3 | [15] | 0,1 |
| 4062 | SHORT | RD | V | Average, Harmonic U L3 | [16] | 0,1 |
| 4063 | SHORT | RD | V | Average, Harmonic U L3 | [17] | 0,1 |
| 4064 | SHORT | RD | V | Average, Harmonic U L3 | [18] | 0,1 |
| 4065 | SHORT | RD | V | Average, Harmonic U L3 | [19] | 0,1 |
| 4066 | SHORT | RD | V | Average, Harmonic U L3 | [20] | 0,1 |
| 4067 | SHORT | RD | V | Average, Harmonic U L3 | [21] | 0,1 |
| 4068 | SHORT | RD | V | Average, Harmonic U L3 | [22] | 0,1 |
| 4069 | SHORT | RD | V | Average, Harmonic U L3 | [23] | 0,1 |
| 4070 | SHORT | RD | V | Average, Harmonic U L3 | [24] | 0,1 |
| 4071 | SHORT | RD | V | Average, Harmonic U L3 | [25] | 0,1 |
| 4072 | SHORT | RD | V | Average, Harmonic U L3 | [26] | 0,1 |
| 4073 | SHORT | RD | V | Average, Harmonic U L3 | [27] | 0,1 |
| 4074 | SHORT | RD | V | Average, Harmonic U L3 | [28] | 0,1 |
| 4075 | SHORT | RD | V | Average, Harmonic U L3 | [29] | 0,1 |
| 4076 | SHORT | RD | V | Average, Harmonic U L3 | [30] | 0,1 |
| 4077 | SHORT | RD | V | Average, Harmonic U L3 | [31] | 0,1 |
| 4078 | SHORT | RD | V | Average, Harmonic U L3 | [32] | 0,1 |
| 4079 | SHORT | RD | V | Average, Harmonic U L3 | [33] | 0,1 |
| 4080 | SHORT | RD | V | Average, Harmonic U L3 | [34] | 0,1 |
| 4081 | SHORT | RD | V | Average, Harmonic U L3 | [35] | 0,1 |
| 4082 | SHORT | RD | V | Average, Harmonic U L3 | [36] | 0,1 |
| 4083 | SHORT | RD | V | Average, Harmonic U L3 | [37] | 0,1 |
| 4084 | SHORT | RD | V | Average, Harmonic U L3 | [38] | 0,1 |
| 4085 | SHORT | RD | V | Average, Harmonic U L3 | [39] | 0,1 |
| 4086 | SHORT | RD | V | Average, Harmonic U L1-L2 | [0] | 0,1 |
| 4087 | SHORT | RD | V | Average, Harmonic U L1-L2 | [1] | 0,1 |
| 4088 | SHORT | RD | V | Average, Harmonic U L1-L2 | [2] | 0,1 |
| 4089 | SHORT | RD | V | Average, Harmonic U L1-L2 | [3] | 0,1 |
| 4090 | SHORT | RD | V | Average, Harmonic U L1-L2 | [4] | 0,1 |
| 4091 | SHORT | RD | V | Average, Harmonic U L1-L2 | [5] | 0,1 |
| 4092 | SHORT | RD | V | Average, Harmonic U L1-L2 | [6] | 0,1 |
| 4093 | SHORT | RD | V | Average, Harmonic U L1-L2 | [7] | 0,1 |
| 4094 | SHORT | RD | V | Average, Harmonic U L1-L2 | [8] | 0,1 |
| 4095 | SHORT | RD | V | Average, Harmonic U L1-L2 | [9] | 0,1 |
| 4096 | SHORT | RD | V | Average, Harmonic U L1-L2 | [10] | 0,1 |
| 4097 | SHORT | RD | V | Average, Harmonic U L1-L2 | [11] | 0,1 |

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|---------|--------|-------|---------|---------------------------|-------|-----------|
| 4098 | SHORT | RD | V | Average, Harmonic U L1-L2 | [12] | 0,1 |
| 4099 | SHORT | RD | V | Average, Harmonic U L1-L2 | [13] | 0,1 |
| 4100 | SHORT | RD | V | Average, Harmonic U L1-L2 | [14] | 0,1 |
| 4101 | SHORT | RD | V | Average, Harmonic U L1-L2 | [15] | 0,1 |
| 4102 | SHORT | RD | V | Average, Harmonic U L1-L2 | [16] | 0,1 |
| 4103 | SHORT | RD | V | Average, Harmonic U L1-L2 | [17] | 0,1 |
| 4104 | SHORT | RD | V | Average, Harmonic U L1-L2 | [18] | 0,1 |
| 4105 | SHORT | RD | V | Average, Harmonic U L1-L2 | [19] | 0,1 |
| 4106 | SHORT | RD | V | Average, Harmonic U L1-L2 | [20] | 0,1 |
| 4107 | SHORT | RD | V | Average, Harmonic U L1-L2 | [21] | 0,1 |
| 4108 | SHORT | RD | V | Average, Harmonic U L1-L2 | [22] | 0,1 |
| 4109 | SHORT | RD | V | Average, Harmonic U L1-L2 | [23] | 0,1 |
| 4110 | SHORT | RD | V | Average, Harmonic U L1-L2 | [24] | 0,1 |
| 4111 | SHORT | RD | V | Average, Harmonic U L1-L2 | [25] | 0,1 |
| 4112 | SHORT | RD | V | Average, Harmonic U L1-L2 | [26] | 0,1 |
| 4113 | SHORT | RD | V | Average, Harmonic U L1-L2 | [27] | 0,1 |
| 4114 | SHORT | RD | V | Average, Harmonic U L1-L2 | [28] | 0,1 |
| 4115 | SHORT | RD | V | Average, Harmonic U L1-L2 | [29] | 0,1 |
| 4116 | SHORT | RD | V | Average, Harmonic U L1-L2 | [30] | 0,1 |
| 4117 | SHORT | RD | V | Average, Harmonic U L1-L2 | [31] | 0,1 |
| 4118 | SHORT | RD | V | Average, Harmonic U L1-L2 | [32] | 0,1 |
| 4119 | SHORT | RD | V | Average, Harmonic U L1-L2 | [33] | 0,1 |
| 4120 | SHORT | RD | V | Average, Harmonic U L1-L2 | [34] | 0,1 |
| 4121 | SHORT | RD | V | Average, Harmonic U L1-L2 | [35] | 0,1 |
| 4122 | SHORT | RD | V | Average, Harmonic U L1-L2 | [36] | 0,1 |
| 4123 | SHORT | RD | V | Average, Harmonic U L1-L2 | [37] | 0,1 |
| 4124 | SHORT | RD | V | Average, Harmonic U L1-L2 | [38] | 0,1 |
| 4125 | SHORT | RD | V | Average, Harmonic U L1-L2 | [39] | 0,1 |
| 4126 | SHORT | RD | V | Average, Harmonic U L2-L3 | [0] | 0,1 |
| 4127 | SHORT | RD | V | Average, Harmonic U L2-L3 | [1] | 0,1 |
| 4128 | SHORT | RD | V | Average, Harmonic U L2-L3 | [2] | 0,1 |
| 4129 | SHORT | RD | V | Average, Harmonic U L2-L3 | [3] | 0,1 |
| 4130 | SHORT | RD | V | Average, Harmonic U L2-L3 | [4] | 0,1 |
| 4131 | SHORT | RD | V | Average, Harmonic U L2-L3 | [5] | 0,1 |
| 4132 | SHORT | RD | V | Average, Harmonic U L2-L3 | [6] | 0,1 |
| 4133 | SHORT | RD | V | Average, Harmonic U L2-L3 | [7] | 0,1 |
| 4134 | SHORT | RD | V | Average, Harmonic U L2-L3 | [8] | 0,1 |
| 4135 | SHORT | RD | V | Average, Harmonic U L2-L3 | [9] | 0,1 |
| 4136 | SHORT | RD | V | Average, Harmonic U L2-L3 | [10] | 0,1 |
| 4137 | SHORT | RD | V | Average, Harmonic U L2-L3 | [11] | 0,1 |
| 4138 | SHORT | RD | V | Average, Harmonic U L2-L3 | [12] | 0,1 |
| 4139 | SHORT | RD | V | Average, Harmonic U L2-L3 | [13] | 0,1 |
| 4140 | SHORT | RD | V | Average, Harmonic U L2-L3 | [14] | 0,1 |
| 4141 | SHORT | RD | V | Average, Harmonic U L2-L3 | [15] | 0,1 |
| 4142 | SHORT | RD | V | Average, Harmonic U L2-L3 | [16] | 0,1 |
| 4143 | SHORT | RD | V | Average, Harmonic U L2-L3 | [17] | 0,1 |
| 4144 | SHORT | RD | V | Average, Harmonic U L2-L3 | [18] | 0,1 |
| 4145 | SHORT | RD | V | Average, Harmonic U L2-L3 | [19] | 0,1 |
| 4146 | SHORT | RD | V | Average, Harmonic U L2-L3 | [20] | 0,1 |
| 4147 | SHORT | RD | V | Average, Harmonic U L2-L3 | [21] | 0,1 |
| 4148 | SHORT | RD | V | Average, Harmonic U L2-L3 | [22] | 0,1 |
| 4149 | SHORT | RD | V | Average, Harmonic U L2-L3 | [23] | 0,1 |
| 4150 | SHORT | RD | V | Average, Harmonic U L2-L3 | [24] | 0,1 |
| 4151 | SHORT | RD | V | Average, Harmonic U L2-L3 | [25] | 0,1 |
| 4152 | SHORT | RD | V | Average, Harmonic U L2-L3 | [26] | 0,1 |
| 4153 | SHORT | RD | V | Average, Harmonic U L2-L3 | [27] | 0,1 |
| 4154 | SHORT | RD | V | Average, Harmonic U L2-L3 | [28] | 0,1 |
| 4155 | SHORT | RD | V | Average, Harmonic U L2-L3 | [29] | 0,1 |
| 4156 | SHORT | RD | V | Average, Harmonic U L2-L3 | [30] | 0,1 |
| 4157 | SHORT | RD | V | Average, Harmonic U L2-L3 | [31] | 0,1 |
| 4158 | SHORT | RD | V | Average, Harmonic U L2-L3 | [32] | 0,1 |
| 4159 | SHORT | RD | V | Average, Harmonic U L2-L3 | [33] | 0,1 |
| 4160 | SHORT | RD | V | Average, Harmonic U L2-L3 | [34] | 0,1 |
| 4161 | SHORT | RD | V | Average, Harmonic U L2-L3 | [35] | 0,1 |
| 4162 | SHORT | RD | V | Average, Harmonic U L2-L3 | [36] | 0,1 |
| 4163 | SHORT | RD | V | Average, Harmonic U L2-L3 | [37] | 0,1 |

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|---------|--------|-------|---------|---------------------------|-------|-----------|
| 4164 | SHORT | RD | V | Average, Harmonic U L2-L3 | [38] | 0,1 |
| 4165 | SHORT | RD | V | Average, Harmonic U L2-L3 | [39] | 0,1 |
| 4166 | SHORT | RD | V | Average, Harmonic U L3-L1 | [0] | 0,1 |
| 4167 | SHORT | RD | V | Average, Harmonic U L3-L1 | [1] | 0,1 |
| 4168 | SHORT | RD | V | Average, Harmonic U L3-L1 | [2] | 0,1 |
| 4169 | SHORT | RD | V | Average, Harmonic U L3-L1 | [3] | 0,1 |
| 4170 | SHORT | RD | V | Average, Harmonic U L3-L1 | [4] | 0,1 |
| 4171 | SHORT | RD | V | Average, Harmonic U L3-L1 | [5] | 0,1 |
| 4172 | SHORT | RD | V | Average, Harmonic U L3-L1 | [6] | 0,1 |
| 4173 | SHORT | RD | V | Average, Harmonic U L3-L1 | [7] | 0,1 |
| 4174 | SHORT | RD | V | Average, Harmonic U L3-L1 | [8] | 0,1 |
| 4175 | SHORT | RD | V | Average, Harmonic U L3-L1 | [9] | 0,1 |
| 4176 | SHORT | RD | V | Average, Harmonic U L3-L1 | [10] | 0,1 |
| 4177 | SHORT | RD | V | Average, Harmonic U L3-L1 | [11] | 0,1 |
| 4178 | SHORT | RD | V | Average, Harmonic U L3-L1 | [12] | 0,1 |
| 4179 | SHORT | RD | V | Average, Harmonic U L3-L1 | [13] | 0,1 |
| 4180 | SHORT | RD | V | Average, Harmonic U L3-L1 | [14] | 0,1 |
| 4181 | SHORT | RD | V | Average, Harmonic U L3-L1 | [15] | 0,1 |
| 4182 | SHORT | RD | V | Average, Harmonic U L3-L1 | [16] | 0,1 |
| 4183 | SHORT | RD | V | Average, Harmonic U L3-L1 | [17] | 0,1 |
| 4184 | SHORT | RD | V | Average, Harmonic U L3-L1 | [18] | 0,1 |
| 4185 | SHORT | RD | V | Average, Harmonic U L3-L1 | [19] | 0,1 |
| 4186 | SHORT | RD | V | Average, Harmonic U L3-L1 | [20] | 0,1 |
| 4187 | SHORT | RD | V | Average, Harmonic U L3-L1 | [21] | 0,1 |
| 4188 | SHORT | RD | V | Average, Harmonic U L3-L1 | [22] | 0,1 |
| 4189 | SHORT | RD | V | Average, Harmonic U L3-L1 | [23] | 0,1 |
| 4190 | SHORT | RD | V | Average, Harmonic U L3-L1 | [24] | 0,1 |
| 4191 | SHORT | RD | V | Average, Harmonic U L3-L1 | [25] | 0,1 |
| 4192 | SHORT | RD | V | Average, Harmonic U L3-L1 | [26] | 0,1 |
| 4193 | SHORT | RD | V | Average, Harmonic U L3-L1 | [27] | 0,1 |
| 4194 | SHORT | RD | V | Average, Harmonic U L3-L1 | [28] | 0,1 |
| 4195 | SHORT | RD | V | Average, Harmonic U L3-L1 | [29] | 0,1 |
| 4196 | SHORT | RD | V | Average, Harmonic U L3-L1 | [30] | 0,1 |
| 4197 | SHORT | RD | V | Average, Harmonic U L3-L1 | [31] | 0,1 |
| 4198 | SHORT | RD | V | Average, Harmonic U L3-L1 | [32] | 0,1 |
| 4199 | SHORT | RD | V | Average, Harmonic U L3-L1 | [33] | 0,1 |
| 4200 | SHORT | RD | V | Average, Harmonic U L3-L1 | [34] | 0,1 |
| 4201 | SHORT | RD | V | Average, Harmonic U L3-L1 | [35] | 0,1 |
| 4202 | SHORT | RD | V | Average, Harmonic U L3-L1 | [36] | 0,1 |
| 4203 | SHORT | RD | V | Average, Harmonic U L3-L1 | [37] | 0,1 |
| 4204 | SHORT | RD | V | Average, Harmonic U L3-L1 | [38] | 0,1 |
| 4205 | SHORT | RD | V | Average, Harmonic U L3-L1 | [39] | 0,1 |
| 4226 | SHORT | RD | mA | Average, Harmonic I L1 | [0] | 1 |
| 4227 | SHORT | RD | mA | Average, Harmonic I L1 | [1] | 1 |
| 4228 | SHORT | RD | mA | Average, Harmonic I L1 | [2] | 1 |
| 4229 | SHORT | RD | mA | Average, Harmonic I L1 | [3] | 1 |
| 4230 | SHORT | RD | mA | Average, Harmonic I L1 | [4] | 1 |
| 4231 | SHORT | RD | mA | Average, Harmonic I L1 | [5] | 1 |
| 4232 | SHORT | RD | mA | Average, Harmonic I L1 | [6] | 1 |
| 4233 | SHORT | RD | mA | Average, Harmonic I L1 | [7] | 1 |
| 4234 | SHORT | RD | mA | Average, Harmonic I L1 | [8] | 1 |
| 4235 | SHORT | RD | mA | Average, Harmonic I L1 | [9] | 1 |
| 4236 | SHORT | RD | mA | Average, Harmonic I L1 | [10] | 1 |
| 4237 | SHORT | RD | mA | Average, Harmonic I L1 | [11] | 1 |
| 4238 | SHORT | RD | mA | Average, Harmonic I L1 | [12] | 1 |
| 4239 | SHORT | RD | mA | Average, Harmonic I L1 | [13] | 1 |
| 4240 | SHORT | RD | mA | Average, Harmonic I L1 | [14] | 1 |
| 4241 | SHORT | RD | mA | Average, Harmonic I L1 | [15] | 1 |
| 4242 | SHORT | RD | mA | Average, Harmonic I L1 | [16] | 1 |
| 4243 | SHORT | RD | mA | Average, Harmonic I L1 | [17] | 1 |
| 4244 | SHORT | RD | mA | Average, Harmonic I L1 | [18] | 1 |
| 4245 | SHORT | RD | mA | Average, Harmonic I L1 | [19] | 1 |
| 4246 | SHORT | RD | mA | Average, Harmonic I L1 | [20] | 1 |
| 4247 | SHORT | RD | mA | Average, Harmonic I L1 | [21] | 1 |
| 4248 | SHORT | RD | mA | Average, Harmonic I L1 | [22] | 1 |
| 4249 | SHORT | RD | mA | Average, Harmonic I L1 | [23] | 1 |

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|---------|--------|-------|---------|------------------------|-------|-----------|
| 4250 | SHORT | RD | mA | Average, Harmonic I L1 | [24] | 1 |
| 4251 | SHORT | RD | mA | Average, Harmonic I L1 | [25] | 1 |
| 4252 | SHORT | RD | mA | Average, Harmonic I L1 | [26] | 1 |
| 4253 | SHORT | RD | mA | Average, Harmonic I L1 | [27] | 1 |
| 4254 | SHORT | RD | mA | Average, Harmonic I L1 | [28] | 1 |
| 4255 | SHORT | RD | mA | Average, Harmonic I L1 | [29] | 1 |
| 4256 | SHORT | RD | mA | Average, Harmonic I L1 | [30] | 1 |
| 4257 | SHORT | RD | mA | Average, Harmonic I L1 | [31] | 1 |
| 4258 | SHORT | RD | mA | Average, Harmonic I L1 | [32] | 1 |
| 4259 | SHORT | RD | mA | Average, Harmonic I L1 | [33] | 1 |
| 4260 | SHORT | RD | mA | Average, Harmonic I L1 | [34] | 1 |
| 4261 | SHORT | RD | mA | Average, Harmonic I L1 | [35] | 1 |
| 4262 | SHORT | RD | mA | Average, Harmonic I L1 | [36] | 1 |
| 4263 | SHORT | RD | mA | Average, Harmonic I L1 | [37] | 1 |
| 4264 | SHORT | RD | mA | Average, Harmonic I L1 | [38] | 1 |
| 4265 | SHORT | RD | mA | Average, Harmonic I L1 | [39] | 1 |
| 4266 | SHORT | RD | mA | Average, Harmonic I L2 | [0] | 1 |
| 4267 | SHORT | RD | mA | Average, Harmonic I L2 | [1] | 1 |
| 4268 | SHORT | RD | mA | Average, Harmonic I L2 | [2] | 1 |
| 4269 | SHORT | RD | mA | Average, Harmonic I L2 | [3] | 1 |
| 4270 | SHORT | RD | mA | Average, Harmonic I L2 | [4] | 1 |
| 4271 | SHORT | RD | mA | Average, Harmonic I L2 | [5] | 1 |
| 4272 | SHORT | RD | mA | Average, Harmonic I L2 | [6] | 1 |
| 4273 | SHORT | RD | mA | Average, Harmonic I L2 | [7] | 1 |
| 4274 | SHORT | RD | mA | Average, Harmonic I L2 | [8] | 1 |
| 4275 | SHORT | RD | mA | Average, Harmonic I L2 | [9] | 1 |
| 4276 | SHORT | RD | mA | Average, Harmonic I L2 | [10] | 1 |
| 4277 | SHORT | RD | mA | Average, Harmonic I L2 | [11] | 1 |
| 4278 | SHORT | RD | mA | Average, Harmonic I L2 | [12] | 1 |
| 4279 | SHORT | RD | mA | Average, Harmonic I L2 | [13] | 1 |
| 4280 | SHORT | RD | mA | Average, Harmonic I L2 | [14] | 1 |
| 4281 | SHORT | RD | mA | Average, Harmonic I L2 | [15] | 1 |
| 4282 | SHORT | RD | mA | Average, Harmonic I L2 | [16] | 1 |
| 4283 | SHORT | RD | mA | Average, Harmonic I L2 | [17] | 1 |
| 4284 | SHORT | RD | mA | Average, Harmonic I L2 | [18] | 1 |
| 4285 | SHORT | RD | mA | Average, Harmonic I L2 | [19] | 1 |
| 4286 | SHORT | RD | mA | Average, Harmonic I L2 | [20] | 1 |
| 4287 | SHORT | RD | mA | Average, Harmonic I L2 | [21] | 1 |
| 4288 | SHORT | RD | mA | Average, Harmonic I L2 | [22] | 1 |
| 4289 | SHORT | RD | mA | Average, Harmonic I L2 | [23] | 1 |
| 4290 | SHORT | RD | mA | Average, Harmonic I L2 | [24] | 1 |
| 4291 | SHORT | RD | mA | Average, Harmonic I L2 | [25] | 1 |
| 4292 | SHORT | RD | mA | Average, Harmonic I L2 | [26] | 1 |
| 4293 | SHORT | RD | mA | Average, Harmonic I L2 | [27] | 1 |
| 4294 | SHORT | RD | mA | Average, Harmonic I L2 | [28] | 1 |
| 4295 | SHORT | RD | mA | Average, Harmonic I L2 | [29] | 1 |
| 4296 | SHORT | RD | mA | Average, Harmonic I L2 | [30] | 1 |
| 4297 | SHORT | RD | mA | Average, Harmonic I L2 | [31] | 1 |
| 4298 | SHORT | RD | mA | Average, Harmonic I L2 | [32] | 1 |
| 4299 | SHORT | RD | mA | Average, Harmonic I L2 | [33] | 1 |
| 4300 | SHORT | RD | mA | Average, Harmonic I L2 | [34] | 1 |
| 4301 | SHORT | RD | mA | Average, Harmonic I L2 | [35] | 1 |
| 4302 | SHORT | RD | mA | Average, Harmonic I L2 | [36] | 1 |
| 4303 | SHORT | RD | mA | Average, Harmonic I L2 | [37] | 1 |
| 4304 | SHORT | RD | mA | Average, Harmonic I L2 | [38] | 1 |
| 4305 | SHORT | RD | mA | Average, Harmonic I L2 | [39] | 1 |
| 4306 | SHORT | RD | mA | Average, Harmonic I L3 | [0] | 1 |
| 4307 | SHORT | RD | mA | Average, Harmonic I L3 | [1] | 1 |
| 4308 | SHORT | RD | mA | Average, Harmonic I L3 | [2] | 1 |
| 4309 | SHORT | RD | mA | Average, Harmonic I L3 | [3] | 1 |
| 4310 | SHORT | RD | mA | Average, Harmonic I L3 | [4] | 1 |
| 4311 | SHORT | RD | mA | Average, Harmonic I L3 | [5] | 1 |
| 4312 | SHORT | RD | mA | Average, Harmonic I L3 | [6] | 1 |
| 4313 | SHORT | RD | mA | Average, Harmonic I L3 | [7] | 1 |
| 4314 | SHORT | RD | mA | Average, Harmonic I L3 | [8] | 1 |
| 4315 | SHORT | RD | mA | Average, Harmonic I L3 | [9] | 1 |

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| 4316 | SHORT | RD | mA | Average, Harmonic I L3 | [10] | 1 |
| 4317 | SHORT | RD | mA | Average, Harmonic I L3 | [11] | 1 |
| 4318 | SHORT | RD | mA | Average, Harmonic I L3 | [12] | 1 |
| 4319 | SHORT | RD | mA | Average, Harmonic I L3 | [13] | 1 |
| 4320 | SHORT | RD | mA | Average, Harmonic I L3 | [14] | 1 |
| 4321 | SHORT | RD | mA | Average, Harmonic I L3 | [15] | 1 |
| 4322 | SHORT | RD | mA | Average, Harmonic I L3 | [16] | 1 |
| 4323 | SHORT | RD | mA | Average, Harmonic I L3 | [17] | 1 |
| 4324 | SHORT | RD | mA | Average, Harmonic I L3 | [18] | 1 |
| 4325 | SHORT | RD | mA | Average, Harmonic I L3 | [19] | 1 |
| 4326 | SHORT | RD | mA | Average, Harmonic I L3 | [20] | 1 |
| 4327 | SHORT | RD | mA | Average, Harmonic I L3 | [21] | 1 |
| 4328 | SHORT | RD | mA | Average, Harmonic I L3 | [22] | 1 |
| 4329 | SHORT | RD | mA | Average, Harmonic I L3 | [23] | 1 |
| 4330 | SHORT | RD | mA | Average, Harmonic I L3 | [24] | 1 |
| 4331 | SHORT | RD | mA | Average, Harmonic I L3 | [25] | 1 |
| 4332 | SHORT | RD | mA | Average, Harmonic I L3 | [26] | 1 |
| 4333 | SHORT | RD | mA | Average, Harmonic I L3 | [27] | 1 |
| 4334 | SHORT | RD | mA | Average, Harmonic I L3 | [28] | 1 |
| 4335 | SHORT | RD | mA | Average, Harmonic I L3 | [29] | 1 |
| 4336 | SHORT | RD | mA | Average, Harmonic I L3 | [30] | 1 |
| 4337 | SHORT | RD | mA | Average, Harmonic I L3 | [31] | 1 |
| 4338 | SHORT | RD | mA | Average, Harmonic I L3 | [32] | 1 |
| 4339 | SHORT | RD | mA | Average, Harmonic I L3 | [33] | 1 |
| 4340 | SHORT | RD | mA | Average, Harmonic I L3 | [34] | 1 |
| 4341 | SHORT | RD | mA | Average, Harmonic I L3 | [35] | 1 |
| 4342 | SHORT | RD | mA | Average, Harmonic I L3 | [36] | 1 |
| 4343 | SHORT | RD | mA | Average, Harmonic I L3 | [37] | 1 |
| 4344 | SHORT | RD | mA | Average, Harmonic I L3 | [38] | 1 |
| 4345 | SHORT | RD | mA | Average, Harmonic I L3 | [39] | 1 |
| 10777 | SHORT | RD | mA | mAverage Harmonic A L4 | [0] | 1 |
| 10778 | SHORT | RD | mA | mAverage Harmonic A L4 | [1] | 1 |
| 10779 | SHORT | RD | mA | mAverage Harmonic A L4 | [2] | 1 |
| 10780 | SHORT | RD | mA | mAverage Harmonic A L4 | [3] | 1 |
| 10781 | SHORT | RD | mA | mAverage Harmonic A L4 | [4] | 1 |
| 10782 | SHORT | RD | mA | mAverage Harmonic A L4 | [5] | 1 |
| 10783 | SHORT | RD | mA | mAverage Harmonic A L4 | [6] | 1 |
| 10784 | SHORT | RD | mA | mAverage Harmonic A L4 | [7] | 1 |
| 10785 | SHORT | RD | mA | mAverage Harmonic A L4 | [8] | 1 |
| 10786 | SHORT | RD | mA | mAverage Harmonic A L4 | [9] | 1 |
| 10787 | SHORT | RD | mA | mAverage Harmonic A L4 | [10] | 1 |
| 10788 | SHORT | RD | mA | mAverage Harmonic A L4 | [11] | 1 |
| 10789 | SHORT | RD | mA | mAverage Harmonic A L4 | [12] | 1 |
| 10790 | SHORT | RD | mA | mAverage Harmonic A L4 | [13] | 1 |
| 10791 | SHORT | RD | mA | mAverage Harmonic A L4 | [14] | 1 |
| 10792 | SHORT | RD | mA | mAverage Harmonic A L4 | [15] | 1 |
| 10793 | SHORT | RD | mA | mAverage Harmonic A L4 | [16] | 1 |
| 10794 | SHORT | RD | mA | mAverage Harmonic A L4 | [17] | 1 |
| 10795 | SHORT | RD | mA | mAverage Harmonic A L4 | [18] | 1 |
| 10796 | SHORT | RD | mA | mAverage Harmonic A L4 | [19] | 1 |
| 10797 | SHORT | RD | mA | mAverage Harmonic A L4 | [20] | 1 |
| 10798 | SHORT | RD | mA | mAverage Harmonic A L4 | [21] | 1 |
| 10799 | SHORT | RD | mA | mAverage Harmonic A L4 | [22] | 1 |
| 10800 | SHORT | RD | mA | mAverage Harmonic A L4 | [23] | 1 |
| 10801 | SHORT | RD | mA | mAverage Harmonic A L4 | [24] | 1 |
| 10802 | SHORT | RD | mA | mAverage Harmonic A L4 | [25] | 1 |
| 10803 | SHORT | RD | mA | mAverage Harmonic A L4 | [26] | 1 |
| 10804 | SHORT | RD | mA | mAverage Harmonic A L4 | [27] | 1 |
| 10805 | SHORT | RD | mA | mAverage Harmonic A L4 | [28] | 1 |
| 10806 | SHORT | RD | mA | mAverage Harmonic A L4 | [29] | 1 |
| 10807 | SHORT | RD | mA | mAverage Harmonic A L4 | [30] | 1 |
| 10808 | SHORT | RD | mA | mAverage Harmonic A L4 | [31] | 1 |
| 10809 | SHORT | RD | mA | mAverage Harmonic A L4 | [32] | 1 |
| 10810 | SHORT | RD | mA | mAverage Harmonic A L4 | [33] | 1 |
| 10811 | SHORT | RD | mA | mAverage Harmonic A L4 | [34] | 1 |

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| 10812 | SHORT | RD | mA | mAverage Harmonic A L4 | [35] | 1 |
| 10813 | SHORT | RD | mA | mAverage Harmonic A L4 | [36] | 1 |
| 10814 | SHORT | RD | mA | mAverage Harmonic A L4 | [37] | 1 |
| 10815 | SHORT | RD | mA | mAverage Harmonic A L4 | [38] | 1 |
| 10816 | SHORT | RD | mA | mAverage Harmonic A L4 | [39] | 1 |
| 11369 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [0] | 1 |
| 11370 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [1] | 1 |
| 11371 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [2] | 1 |
| 11372 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [3] | 1 |
| 11373 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [4] | 1 |
| 11374 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [5] | 1 |
| 11375 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [6] | 1 |
| 11376 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [7] | 1 |
| 11377 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [8] | 1 |
| 11378 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [9] | 1 |
| 11379 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [10] | 1 |
| 11380 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [11] | 1 |
| 11381 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [12] | 1 |
| 11382 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [13] | 1 |
| 11383 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [14] | 1 |
| 11384 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [15] | 1 |
| 11385 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [16] | 1 |
| 11386 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [17] | 1 |
| 11387 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [18] | 1 |
| 11388 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [19] | 1 |
| 11389 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [20] | 1 |
| 11390 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [21] | 1 |
| 11391 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [22] | 1 |
| 11392 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [23] | 1 |
| 11393 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [24] | 1 |
| 11394 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [25] | 1 |
| 11395 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [26] | 1 |
| 11396 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [27] | 1 |
| 11397 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [28] | 1 |
| 11398 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [29] | 1 |
| 11399 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [30] | 1 |
| 11400 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [31] | 1 |
| 11401 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [32] | 1 |
| 11402 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [33] | 1 |
| 11403 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [34] | 1 |
| 11404 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [35] | 1 |
| 11405 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [36] | 1 |
| 11406 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [37] | 1 |
| 11407 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [38] | 1 |
| 11408 | SHORT | RD | mA | mAverage, Harmonic I Diff1 | [39] | 1 |
| 11409 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [0] | 1 |
| 11410 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [1] | 1 |
| 11411 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [2] | 1 |
| 11412 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [3] | 1 |
| 11413 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [4] | 1 |
| 11414 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [5] | 1 |
| 11415 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [6] | 1 |
| 11416 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [7] | 1 |
| 11417 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [8] | 1 |
| 11418 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [9] | 1 |
| 11419 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [10] | 1 |
| 11420 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [11] | 1 |
| 11421 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [12] | 1 |
| 11422 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [13] | 1 |
| 11423 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [14] | 1 |
| 11424 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [15] | 1 |
| 11425 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [16] | 1 |
| 11426 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [17] | 1 |
| 11427 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [18] | 1 |
| 11428 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [19] | 1 |

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| 11429 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [20] | 1 |
| 11430 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [21] | 1 |
| 11431 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [22] | 1 |
| 11432 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [23] | 1 |
| 11433 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [24] | 1 |
| 11434 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [25] | 1 |
| 11435 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [26] | 1 |
| 11436 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [27] | 1 |
| 11437 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [28] | 1 |
| 11438 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [29] | 1 |
| 11439 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [30] | 1 |
| 11440 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [31] | 1 |
| 11441 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [32] | 1 |
| 11442 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [33] | 1 |
| 11443 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [34] | 1 |
| 11444 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [35] | 1 |
| 11445 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [36] | 1 |
| 11446 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [37] | 1 |
| 11447 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [38] | 1 |
| 11448 | SHORT | RD | mA | mAverage, Harmonic I Diff2 | [39] | 1 |

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| 2598 | FLOAT | RD | V | Maximum, Harmonic U L1 | [0] |
| 2600 | FLOAT | RD | V | Maximum, Harmonic U L1 | [1] |
| 2602 | FLOAT | RD | V | Maximum, Harmonic U L1 | [2] |
| 2604 | FLOAT | RD | V | Maximum, Harmonic U L1 | [3] |
| 2606 | FLOAT | RD | V | Maximum, Harmonic U L1 | [4] |
| 2608 | FLOAT | RD | V | Maximum, Harmonic U L1 | [5] |
| 2610 | FLOAT | RD | V | Maximum, Harmonic U L1 | [6] |
| 2612 | FLOAT | RD | V | Maximum, Harmonic U L1 | [7] |
| 2614 | FLOAT | RD | V | Maximum, Harmonic U L1 | [8] |
| 2616 | FLOAT | RD | V | Maximum, Harmonic U L1 | [9] |
| 2618 | FLOAT | RD | V | Maximum, Harmonic U L1 | [10] |
| 2620 | FLOAT | RD | V | Maximum, Harmonic U L1 | [11] |
| 2622 | FLOAT | RD | V | Maximum, Harmonic U L1 | [12] |
| 2624 | FLOAT | RD | V | Maximum, Harmonic U L1 | [13] |
| 2626 | FLOAT | RD | V | Maximum, Harmonic U L1 | [14] |
| 2628 | FLOAT | RD | V | Maximum, Harmonic U L1 | [15] |
| 2630 | FLOAT | RD | V | Maximum, Harmonic U L1 | [16] |
| 2632 | FLOAT | RD | V | Maximum, Harmonic U L1 | [17] |
| 2634 | FLOAT | RD | V | Maximum, Harmonic U L1 | [18] |
| 2636 | FLOAT | RD | V | Maximum, Harmonic U L1 | [19] |
| 2638 | FLOAT | RD | V | Maximum, Harmonic U L1 | [20] |
| 2640 | FLOAT | RD | V | Maximum, Harmonic U L1 | [21] |
| 2642 | FLOAT | RD | V | Maximum, Harmonic U L1 | [22] |
| 2644 | FLOAT | RD | V | Maximum, Harmonic U L1 | [23] |
| 2646 | FLOAT | RD | V | Maximum, Harmonic U L1 | [24] |
| 2648 | FLOAT | RD | V | Maximum, Harmonic U L1 | [25] |
| 2650 | FLOAT | RD | V | Maximum, Harmonic U L1 | [26] |
| 2652 | FLOAT | RD | V | Maximum, Harmonic U L1 | [27] |
| 2654 | FLOAT | RD | V | Maximum, Harmonic U L1 | [28] |
| 2656 | FLOAT | RD | V | Maximum, Harmonic U L1 | [29] |
| 2658 | FLOAT | RD | V | Maximum, Harmonic U L1 | [30] |
| 2660 | FLOAT | RD | V | Maximum, Harmonic U L1 | [31] |
| 2662 | FLOAT | RD | V | Maximum, Harmonic U L1 | [32] |
| 2664 | FLOAT | RD | V | Maximum, Harmonic U L1 | [33] |
| 2666 | FLOAT | RD | V | Maximum, Harmonic U L1 | [34] |
| 2668 | FLOAT | RD | V | Maximum, Harmonic U L1 | [35] |
| 2670 | FLOAT | RD | V | Maximum, Harmonic U L1 | [36] |
| 2672 | FLOAT | RD | V | Maximum, Harmonic U L1 | [37] |
| 2674 | FLOAT | RD | V | Maximum, Harmonic U L1 | [38] |
| 2676 | FLOAT | RD | V | Maximum, Harmonic U L1 | [39] |
| 2678 | FLOAT | RD | V | Maximum, Harmonic U L2 | [0] |
| 2680 | FLOAT | RD | V | Maximum, Harmonic U L2 | [1] |
| 2682 | FLOAT | RD | V | Maximum, Harmonic U L2 | [2] |
| 2684 | FLOAT | RD | V | Maximum, Harmonic U L2 | [3] |
| 2686 | FLOAT | RD | V | Maximum, Harmonic U L2 | [4] |
| 2688 | FLOAT | RD | V | Maximum, Harmonic U L2 | [5] |
| 2690 | FLOAT | RD | V | Maximum, Harmonic U L2 | [6] |
| 2692 | FLOAT | RD | V | Maximum, Harmonic U L2 | [7] |
| 2694 | FLOAT | RD | V | Maximum, Harmonic U L2 | [8] |
| 2696 | FLOAT | RD | V | Maximum, Harmonic U L2 | [9] |
| 2698 | FLOAT | RD | V | Maximum, Harmonic U L2 | [10] |
| 2700 | FLOAT | RD | V | Maximum, Harmonic U L2 | [11] |
| 2702 | FLOAT | RD | V | Maximum, Harmonic U L2 | [12] |
| 2704 | FLOAT | RD | V | Maximum, Harmonic U L2 | [13] |
| 2706 | FLOAT | RD | V | Maximum, Harmonic U L2 | [14] |
| 2708 | FLOAT | RD | V | Maximum, Harmonic U L2 | [15] |
| 2710 | FLOAT | RD | V | Maximum, Harmonic U L2 | [16] |
| 2712 | FLOAT | RD | V | Maximum, Harmonic U L2 | [17] |
| 2714 | FLOAT | RD | V | Maximum, Harmonic U L2 | [18] |
| 2716 | FLOAT | RD | V | Maximum, Harmonic U L2 | [19] |
| 2718 | FLOAT | RD | V | Maximum, Harmonic U L2 | [20] |
| 2720 | FLOAT | RD | V | Maximum, Harmonic U L2 | [21] |
| 2722 | FLOAT | RD | V | Maximum, Harmonic U L2 | [22] |
| 2724 | FLOAT | RD | V | Maximum, Harmonic U L2 | [23] |
| 2726 | FLOAT | RD | V | Maximum, Harmonic U L2 | [24] |
| 2728 | FLOAT | RD | V | Maximum, Harmonic U L2 | [25] |

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| 2732 | FLOAT | RD | V | Maximum, Harmonic U L2 | [27] |
| 2734 | FLOAT | RD | V | Maximum, Harmonic U L2 | [28] |
| 2736 | FLOAT | RD | V | Maximum, Harmonic U L2 | [29] |
| 2738 | FLOAT | RD | V | Maximum, Harmonic U L2 | [30] |
| 2740 | FLOAT | RD | V | Maximum, Harmonic U L2 | [31] |
| 2742 | FLOAT | RD | V | Maximum, Harmonic U L2 | [32] |
| 2744 | FLOAT | RD | V | Maximum, Harmonic U L2 | [33] |
| 2746 | FLOAT | RD | V | Maximum, Harmonic U L2 | [34] |
| 2748 | FLOAT | RD | V | Maximum, Harmonic U L2 | [35] |
| 2750 | FLOAT | RD | V | Maximum, Harmonic U L2 | [36] |
| 2752 | FLOAT | RD | V | Maximum, Harmonic U L2 | [37] |
| 2754 | FLOAT | RD | V | Maximum, Harmonic U L2 | [38] |
| 2756 | FLOAT | RD | V | Maximum, Harmonic U L2 | [39] |
| 2758 | FLOAT | RD | V | Maximum, Harmonic U L3 | [0] |
| 2760 | FLOAT | RD | V | Maximum, Harmonic U L3 | [1] |
| 2762 | FLOAT | RD | V | Maximum, Harmonic U L3 | [2] |
| 2764 | FLOAT | RD | V | Maximum, Harmonic U L3 | [3] |
| 2766 | FLOAT | RD | V | Maximum, Harmonic U L3 | [4] |
| 2768 | FLOAT | RD | V | Maximum, Harmonic U L3 | [5] |
| 2770 | FLOAT | RD | V | Maximum, Harmonic U L3 | [6] |
| 2772 | FLOAT | RD | V | Maximum, Harmonic U L3 | [7] |
| 2774 | FLOAT | RD | V | Maximum, Harmonic U L3 | [8] |
| 2776 | FLOAT | RD | V | Maximum, Harmonic U L3 | [9] |
| 2778 | FLOAT | RD | V | Maximum, Harmonic U L3 | [10] |
| 2780 | FLOAT | RD | V | Maximum, Harmonic U L3 | [11] |
| 2782 | FLOAT | RD | V | Maximum, Harmonic U L3 | [12] |
| 2784 | FLOAT | RD | V | Maximum, Harmonic U L3 | [13] |
| 2786 | FLOAT | RD | V | Maximum, Harmonic U L3 | [14] |
| 2788 | FLOAT | RD | V | Maximum, Harmonic U L3 | [15] |
| 2790 | FLOAT | RD | V | Maximum, Harmonic U L3 | [16] |
| 2792 | FLOAT | RD | V | Maximum, Harmonic U L3 | [17] |
| 2794 | FLOAT | RD | V | Maximum, Harmonic U L3 | [18] |
| 2796 | FLOAT | RD | V | Maximum, Harmonic U L3 | [19] |
| 2798 | FLOAT | RD | V | Maximum, Harmonic U L3 | [20] |
| 2800 | FLOAT | RD | V | Maximum, Harmonic U L3 | [21] |
| 2802 | FLOAT | RD | V | Maximum, Harmonic U L3 | [22] |
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| 2806 | FLOAT | RD | V | Maximum, Harmonic U L3 | [24] |
| 2808 | FLOAT | RD | V | Maximum, Harmonic U L3 | [25] |
| 2810 | FLOAT | RD | V | Maximum, Harmonic U L3 | [26] |
| 2812 | FLOAT | RD | V | Maximum, Harmonic U L3 | [27] |
| 2814 | FLOAT | RD | V | Maximum, Harmonic U L3 | [28] |
| 2816 | FLOAT | RD | V | Maximum, Harmonic U L3 | [29] |
| 2818 | FLOAT | RD | V | Maximum, Harmonic U L3 | [30] |
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| 2836 | FLOAT | RD | V | Maximum, Harmonic U L3 | [39] |
| 2838 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [0] |
| 2840 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [1] |
| 2842 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [2] |
| 2844 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [3] |
| 2846 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [4] |
| 2848 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [5] |
| 2850 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [6] |
| 2852 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [7] |
| 2854 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [8] |
| 2856 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [9] |
| 2858 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [10] |
| 2860 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [11] |

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| 2866 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [14] |
| 2868 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [15] |
| 2870 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [16] |
| 2872 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [17] |
| 2874 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [18] |
| 2876 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [19] |
| 2878 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [20] |
| 2880 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [21] |
| 2882 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [22] |
| 2884 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [23] |
| 2886 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [24] |
| 2888 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [25] |
| 2890 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [26] |
| 2892 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [27] |
| 2894 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [28] |
| 2896 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [29] |
| 2898 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [30] |
| 2900 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [31] |
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| 2904 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [33] |
| 2906 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [34] |
| 2908 | FLOAT | RD | V | Maximum, Harmonic U L1-L2 | [35] |
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| 2920 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [1] |
| 2922 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [2] |
| 2924 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [3] |
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| 2928 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [5] |
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| 2936 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [9] |
| 2938 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [10] |
| 2940 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [11] |
| 2942 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [12] |
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| 2948 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [15] |
| 2950 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [16] |
| 2952 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [17] |
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| 2956 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [19] |
| 2958 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [20] |
| 2960 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [21] |
| 2962 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [22] |
| 2964 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [23] |
| 2966 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [24] |
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| 2970 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [26] |
| 2972 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [27] |
| 2974 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [28] |
| 2976 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [29] |
| 2978 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [30] |
| 2980 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [31] |
| 2982 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [32] |
| 2984 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [33] |
| 2986 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [34] |
| 2988 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [35] |
| 2990 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [36] |
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| 2994 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [38] |
| 2996 | FLOAT | RD | V | Maximum, Harmonic U L2-L3 | [39] |
| 2998 | FLOAT | RD | V | Maximum, Harmonic U L3-L1 | [0] |
| 3000 | FLOAT | RD | V | Maximum, Harmonic U L3-L1 | [1] |
| 3002 | FLOAT | RD | V | Maximum, Harmonic U L3-L1 | [2] |
| 3004 | FLOAT | RD | V | Maximum, Harmonic U L3-L1 | [3] |
| 3006 | FLOAT | RD | V | Maximum, Harmonic U L3-L1 | [4] |
| 3008 | FLOAT | RD | V | Maximum, Harmonic U L3-L1 | [5] |
| 3010 | FLOAT | RD | V | Maximum, Harmonic U L3-L1 | [6] |
| 3012 | FLOAT | RD | V | Maximum, Harmonic U L3-L1 | [7] |
| 3014 | FLOAT | RD | V | Maximum, Harmonic U L3-L1 | [8] |
| 3016 | FLOAT | RD | V | Maximum, Harmonic U L3-L1 | [9] |
| 3018 | FLOAT | RD | V | Maximum, Harmonic U L3-L1 | [10] |
| 3020 | FLOAT | RD | V | Maximum, Harmonic U L3-L1 | [11] |
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| 3024 | FLOAT | RD | V | Maximum, Harmonic U L3-L1 | [13] |
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| 3030 | FLOAT | RD | V | Maximum, Harmonic U L3-L1 | [16] |
| 3032 | FLOAT | RD | V | Maximum, Harmonic U L3-L1 | [17] |
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| 3052 | FLOAT | RD | V | Maximum, Harmonic U L3-L1 | [27] |
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| 3306 | FLOAT | RD | A | Maximum, Harmonic I L3 | [14] |
| 3308 | FLOAT | RD | A | Maximum, Harmonic I L3 | [15] |
| 3310 | FLOAT | RD | A | Maximum, Harmonic I L3 | [16] |
| 3312 | FLOAT | RD | A | Maximum, Harmonic I L3 | [17] |
| 3314 | FLOAT | RD | A | Maximum, Harmonic I L3 | [18] |
| 3316 | FLOAT | RD | A | Maximum, Harmonic I L3 | [19] |
| 3318 | FLOAT | RD | A | Maximum, Harmonic I L3 | [20] |
| 3320 | FLOAT | RD | A | Maximum, Harmonic I L3 | [21] |
| 3322 | FLOAT | RD | A | Maximum, Harmonic I L3 | [22] |
| 3324 | FLOAT | RD | A | Maximum, Harmonic I L3 | [23] |
| 3326 | FLOAT | RD | A | Maximum, Harmonic I L3 | [24] |
| 3328 | FLOAT | RD | A | Maximum, Harmonic I L3 | [25] |
| 3330 | FLOAT | RD | A | Maximum, Harmonic I L3 | [26] |
| 3332 | FLOAT | RD | A | Maximum, Harmonic I L3 | [27] |
| 3334 | FLOAT | RD | A | Maximum, Harmonic I L3 | [28] |
| 3336 | FLOAT | RD | A | Maximum, Harmonic I L3 | [29] |
| 3338 | FLOAT | RD | A | Maximum, Harmonic I L3 | [30] |
| 3340 | FLOAT | RD | A | Maximum, Harmonic I L3 | [31] |
| 3342 | FLOAT | RD | A | Maximum, Harmonic I L3 | [32] |
| 3344 | FLOAT | RD | A | Maximum, Harmonic I L3 | [33] |
| 3346 | FLOAT | RD | A | Maximum, Harmonic I L3 | [34] |
| 3348 | FLOAT | RD | A | Maximum, Harmonic I L3 | [35] |
| 3350 | FLOAT | RD | A | Maximum, Harmonic I L3 | [36] |
| 3352 | FLOAT | RD | A | Maximum, Harmonic I L3 | [37] |
| 3354 | FLOAT | RD | A | Maximum, Harmonic I L3 | [38] |
| 3356 | FLOAT | RD | A | Maximum, Harmonic I L3 | [39] |
| 10563 | FLOAT | RD | A | Maximum, Harmonic I L4 | [0] |
| 10565 | FLOAT | RD | A | Maximum, Harmonic I L4 | [1] |
| 10567 | FLOAT | RD | A | Maximum, Harmonic I L4 | [2] |
| 10569 | FLOAT | RD | A | Maximum, Harmonic I L4 | [3] |
| 10571 | FLOAT | RD | A | Maximum, Harmonic I L4 | [4] |
| 10573 | FLOAT | RD | A | Maximum, Harmonic I L4 | [5] |
| 10575 | FLOAT | RD | A | Maximum, Harmonic I L4 | [6] |
| 10577 | FLOAT | RD | A | Maximum, Harmonic I L4 | [7] |
| 10579 | FLOAT | RD | A | Maximum, Harmonic I L4 | [8] |
| 10581 | FLOAT | RD | A | Maximum, Harmonic I L4 | [8] |
| 10583 | FLOAT | RD | A | Maximum, Harmonic I L4 | [10] |
| 10585 | FLOAT | RD | A | Maximum, Harmonic I L4 | [11] |
| 10587 | FLOAT | RD | A | Maximum, Harmonic I L4 | [12] |
| 10589 | FLOAT | RD | A | Maximum, Harmonic I L4 | [13] |
| 10591 | FLOAT | RD | A | Maximum, Harmonic I L4 | [14] |
| 10593 | FLOAT | RD | A | Maximum, Harmonic I L4 | [15] |
| 10595 | FLOAT | RD | A | Maximum, Harmonic I L4 | [16] |
| 10597 | FLOAT | RD | A | Maximum, Harmonic I L4 | [17] |
| 10599 | FLOAT | RD | A | Maximum, Harmonic I L4 | [18] |
| 10601 | FLOAT | RD | A | Maximum, Harmonic I L4 | [19] |
| 10603 | FLOAT | RD | A | Maximum, Harmonic I L4 | [20] |
| 10605 | FLOAT | RD | A | Maximum, Harmonic I L4 | [21] |
| 10607 | FLOAT | RD | A | Maximum, Harmonic I L4 | [22] |
| 10609 | FLOAT | RD | A | Maximum, Harmonic I L4 | [23] |
| 10611 | FLOAT | RD | A | Maximum, Harmonic I L4 | [24] |
| 10613 | FLOAT | RD | A | Maximum, Harmonic I L4 | [25] |
| 10615 | FLOAT | RD | A | Maximum, Harmonic I L4 | [26] |
| 10617 | FLOAT | RD | A | Maximum, Harmonic I L4 | [27] |
| 10619 | FLOAT | RD | A | Maximum, Harmonic I L4 | [28] |
| 10621 | FLOAT | RD | A | Maximum, Harmonic I L4 | [29] |
| 10623 | FLOAT | RD | A | Maximum, Harmonic I L4 | [30] |
| 10625 | FLOAT | RD | A | Maximum, Harmonic I L4 | [31] |
| 10627 | FLOAT | RD | A | Maximum, Harmonic I L4 | [32] |
| 10629 | FLOAT | RD | A | Maximum, Harmonic I L4 | [33] |
| 10631 | FLOAT | RD | A | Maximum, Harmonic I L4 | [34] |

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|---------|--------|-------|---------|------------------------|-------|
| 10633 | FLOAT | RD | A | Maximum, Harmonic I L4 | [35] |
| 10635 | FLOAT | RD | A | Maximum, Harmonic I L4 | [36] |
| 10637 | FLOAT | RD | A | Maximum, Harmonic I L4 | [37] |
| 10639 | FLOAT | RD | A | Maximum, Harmonic I L4 | [38] |
| 10641 | FLOAT | RD | A | Maximum, Harmonic I L4 | [39] |

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Maxwerte, Typ Short, Fourieranalyse

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|---------|--------|-------|---------|------------------------|-------|-----------|
| 4395 | SHORT | RD | V | Maximum, Harmonic U L1 | [0] | 0,1 |
| 4396 | SHORT | RD | V | Maximum, Harmonic U L1 | [1] | 0,1 |
| 4397 | SHORT | RD | V | Maximum, Harmonic U L1 | [2] | 0,1 |
| 4398 | SHORT | RD | V | Maximum, Harmonic U L1 | [3] | 0,1 |
| 4399 | SHORT | RD | V | Maximum, Harmonic U L1 | [4] | 0,1 |
| 4400 | SHORT | RD | V | Maximum, Harmonic U L1 | [5] | 0,1 |
| 4401 | SHORT | RD | V | Maximum, Harmonic U L1 | [6] | 0,1 |
| 4402 | SHORT | RD | V | Maximum, Harmonic U L1 | [7] | 0,1 |
| 4403 | SHORT | RD | V | Maximum, Harmonic U L1 | [8] | 0,1 |
| 4404 | SHORT | RD | V | Maximum, Harmonic U L1 | [9] | 0,1 |
| 4405 | SHORT | RD | V | Maximum, Harmonic U L1 | [10] | 0,1 |
| 4406 | SHORT | RD | V | Maximum, Harmonic U L1 | [11] | 0,1 |
| 4407 | SHORT | RD | V | Maximum, Harmonic U L1 | [12] | 0,1 |
| 4408 | SHORT | RD | V | Maximum, Harmonic U L1 | [13] | 0,1 |
| 4409 | SHORT | RD | V | Maximum, Harmonic U L1 | [14] | 0,1 |
| 4410 | SHORT | RD | V | Maximum, Harmonic U L1 | [15] | 0,1 |
| 4411 | SHORT | RD | V | Maximum, Harmonic U L1 | [16] | 0,1 |
| 4412 | SHORT | RD | V | Maximum, Harmonic U L1 | [17] | 0,1 |
| 4413 | SHORT | RD | V | Maximum, Harmonic U L1 | [18] | 0,1 |
| 4414 | SHORT | RD | V | Maximum, Harmonic U L1 | [19] | 0,1 |
| 4415 | SHORT | RD | V | Maximum, Harmonic U L1 | [20] | 0,1 |
| 4416 | SHORT | RD | V | Maximum, Harmonic U L1 | [21] | 0,1 |
| 4417 | SHORT | RD | V | Maximum, Harmonic U L1 | [22] | 0,1 |
| 4418 | SHORT | RD | V | Maximum, Harmonic U L1 | [23] | 0,1 |
| 4419 | SHORT | RD | V | Maximum, Harmonic U L1 | [24] | 0,1 |
| 4420 | SHORT | RD | V | Maximum, Harmonic U L1 | [25] | 0,1 |
| 4421 | SHORT | RD | V | Maximum, Harmonic U L1 | [26] | 0,1 |
| 4422 | SHORT | RD | V | Maximum, Harmonic U L1 | [27] | 0,1 |
| 4423 | SHORT | RD | V | Maximum, Harmonic U L1 | [28] | 0,1 |
| 4424 | SHORT | RD | V | Maximum, Harmonic U L1 | [29] | 0,1 |
| 4425 | SHORT | RD | V | Maximum, Harmonic U L1 | [30] | 0,1 |
| 4426 | SHORT | RD | V | Maximum, Harmonic U L1 | [31] | 0,1 |
| 4427 | SHORT | RD | V | Maximum, Harmonic U L1 | [32] | 0,1 |
| 4428 | SHORT | RD | V | Maximum, Harmonic U L1 | [33] | 0,1 |
| 4429 | SHORT | RD | V | Maximum, Harmonic U L1 | [34] | 0,1 |
| 4430 | SHORT | RD | V | Maximum, Harmonic U L1 | [35] | 0,1 |
| 4431 | SHORT | RD | V | Maximum, Harmonic U L1 | [36] | 0,1 |
| 4432 | SHORT | RD | V | Maximum, Harmonic U L1 | [37] | 0,1 |
| 4433 | SHORT | RD | V | Maximum, Harmonic U L1 | [38] | 0,1 |
| 4434 | SHORT | RD | V | Maximum, Harmonic U L1 | [39] | 0,1 |
| 4435 | SHORT | RD | V | Maximum, Harmonic U L2 | [0] | 0,1 |
| 4436 | SHORT | RD | V | Maximum, Harmonic U L2 | [1] | 0,1 |
| 4437 | SHORT | RD | V | Maximum, Harmonic U L2 | [2] | 0,1 |
| 4438 | SHORT | RD | V | Maximum, Harmonic U L2 | [3] | 0,1 |
| 4439 | SHORT | RD | V | Maximum, Harmonic U L2 | [4] | 0,1 |
| 4440 | SHORT | RD | V | Maximum, Harmonic U L2 | [5] | 0,1 |
| 4441 | SHORT | RD | V | Maximum, Harmonic U L2 | [6] | 0,1 |
| 4442 | SHORT | RD | V | Maximum, Harmonic U L2 | [7] | 0,1 |
| 4443 | SHORT | RD | V | Maximum, Harmonic U L2 | [8] | 0,1 |
| 4444 | SHORT | RD | V | Maximum, Harmonic U L2 | [9] | 0,1 |
| 4445 | SHORT | RD | V | Maximum, Harmonic U L2 | [10] | 0,1 |
| 4446 | SHORT | RD | V | Maximum, Harmonic U L2 | [11] | 0,1 |
| 4447 | SHORT | RD | V | Maximum, Harmonic U L2 | [12] | 0,1 |
| 4448 | SHORT | RD | V | Maximum, Harmonic U L2 | [13] | 0,1 |
| 4449 | SHORT | RD | V | Maximum, Harmonic U L2 | [14] | 0,1 |
| 4450 | SHORT | RD | V | Maximum, Harmonic U L2 | [15] | 0,1 |
| 4451 | SHORT | RD | V | Maximum, Harmonic U L2 | [16] | 0,1 |
| 4452 | SHORT | RD | V | Maximum, Harmonic U L2 | [17] | 0,1 |
| 4453 | SHORT | RD | V | Maximum, Harmonic U L2 | [18] | 0,1 |
| 4454 | SHORT | RD | V | Maximum, Harmonic U L2 | [19] | 0,1 |
| 4455 | SHORT | RD | V | Maximum, Harmonic U L2 | [20] | 0,1 |
| 4456 | SHORT | RD | V | Maximum, Harmonic U L2 | [21] | 0,1 |
| 4457 | SHORT | RD | V | Maximum, Harmonic U L2 | [22] | 0,1 |
| 4458 | SHORT | RD | V | Maximum, Harmonic U L2 | [23] | 0,1 |
| 4459 | SHORT | RD | V | Maximum, Harmonic U L2 | [24] | 0,1 |
| 4460 | SHORT | RD | V | Maximum, Harmonic U L2 | [25] | 0,1 |

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|---------|--------|-------|---------|---------------------------|-------|-----------|
| 4461 | SHORT | RD | V | Maximum, Harmonic U L2 | [26] | 0,1 |
| 4462 | SHORT | RD | V | Maximum, Harmonic U L2 | [27] | 0,1 |
| 4463 | SHORT | RD | V | Maximum, Harmonic U L2 | [28] | 0,1 |
| 4464 | SHORT | RD | V | Maximum, Harmonic U L2 | [29] | 0,1 |
| 4465 | SHORT | RD | V | Maximum, Harmonic U L2 | [30] | 0,1 |
| 4466 | SHORT | RD | V | Maximum, Harmonic U L2 | [31] | 0,1 |
| 4467 | SHORT | RD | V | Maximum, Harmonic U L2 | [32] | 0,1 |
| 4468 | SHORT | RD | V | Maximum, Harmonic U L2 | [33] | 0,1 |
| 4469 | SHORT | RD | V | Maximum, Harmonic U L2 | [34] | 0,1 |
| 4470 | SHORT | RD | V | Maximum, Harmonic U L2 | [35] | 0,1 |
| 4471 | SHORT | RD | V | Maximum, Harmonic U L2 | [36] | 0,1 |
| 4472 | SHORT | RD | V | Maximum, Harmonic U L2 | [37] | 0,1 |
| 4473 | SHORT | RD | V | Maximum, Harmonic U L2 | [38] | 0,1 |
| 4474 | SHORT | RD | V | Maximum, Harmonic U L2 | [39] | 0,1 |
| 4475 | SHORT | RD | V | Maximum, Harmonic U L3 | [0] | 0,1 |
| 4476 | SHORT | RD | V | Maximum, Harmonic U L3 | [1] | 0,1 |
| 4477 | SHORT | RD | V | Maximum, Harmonic U L3 | [2] | 0,1 |
| 4478 | SHORT | RD | V | Maximum, Harmonic U L3 | [3] | 0,1 |
| 4479 | SHORT | RD | V | Maximum, Harmonic U L3 | [4] | 0,1 |
| 4480 | SHORT | RD | V | Maximum, Harmonic U L3 | [5] | 0,1 |
| 4481 | SHORT | RD | V | Maximum, Harmonic U L3 | [6] | 0,1 |
| 4482 | SHORT | RD | V | Maximum, Harmonic U L3 | [7] | 0,1 |
| 4483 | SHORT | RD | V | Maximum, Harmonic U L3 | [8] | 0,1 |
| 4484 | SHORT | RD | V | Maximum, Harmonic U L3 | [9] | 0,1 |
| 4485 | SHORT | RD | V | Maximum, Harmonic U L3 | [10] | 0,1 |
| 4486 | SHORT | RD | V | Maximum, Harmonic U L3 | [11] | 0,1 |
| 4487 | SHORT | RD | V | Maximum, Harmonic U L3 | [12] | 0,1 |
| 4488 | SHORT | RD | V | Maximum, Harmonic U L3 | [13] | 0,1 |
| 4489 | SHORT | RD | V | Maximum, Harmonic U L3 | [14] | 0,1 |
| 4490 | SHORT | RD | V | Maximum, Harmonic U L3 | [15] | 0,1 |
| 4491 | SHORT | RD | V | Maximum, Harmonic U L3 | [16] | 0,1 |
| 4492 | SHORT | RD | V | Maximum, Harmonic U L3 | [17] | 0,1 |
| 4493 | SHORT | RD | V | Maximum, Harmonic U L3 | [18] | 0,1 |
| 4494 | SHORT | RD | V | Maximum, Harmonic U L3 | [19] | 0,1 |
| 4495 | SHORT | RD | V | Maximum, Harmonic U L3 | [20] | 0,1 |
| 4496 | SHORT | RD | V | Maximum, Harmonic U L3 | [21] | 0,1 |
| 4497 | SHORT | RD | V | Maximum, Harmonic U L3 | [22] | 0,1 |
| 4498 | SHORT | RD | V | Maximum, Harmonic U L3 | [23] | 0,1 |
| 4499 | SHORT | RD | V | Maximum, Harmonic U L3 | [24] | 0,1 |
| 4500 | SHORT | RD | V | Maximum, Harmonic U L3 | [25] | 0,1 |
| 4501 | SHORT | RD | V | Maximum, Harmonic U L3 | [26] | 0,1 |
| 4502 | SHORT | RD | V | Maximum, Harmonic U L3 | [27] | 0,1 |
| 4503 | SHORT | RD | V | Maximum, Harmonic U L3 | [28] | 0,1 |
| 4504 | SHORT | RD | V | Maximum, Harmonic U L3 | [29] | 0,1 |
| 4505 | SHORT | RD | V | Maximum, Harmonic U L3 | [30] | 0,1 |
| 4506 | SHORT | RD | V | Maximum, Harmonic U L3 | [31] | 0,1 |
| 4507 | SHORT | RD | V | Maximum, Harmonic U L3 | [32] | 0,1 |
| 4508 | SHORT | RD | V | Maximum, Harmonic U L3 | [33] | 0,1 |
| 4509 | SHORT | RD | V | Maximum, Harmonic U L3 | [34] | 0,1 |
| 4510 | SHORT | RD | V | Maximum, Harmonic U L3 | [35] | 0,1 |
| 4511 | SHORT | RD | V | Maximum, Harmonic U L3 | [36] | 0,1 |
| 4512 | SHORT | RD | V | Maximum, Harmonic U L3 | [37] | 0,1 |
| 4513 | SHORT | RD | V | Maximum, Harmonic U L3 | [38] | 0,1 |
| 4514 | SHORT | RD | V | Maximum, Harmonic U L3 | [39] | 0,1 |
| 4515 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [0] | 0,1 |
| 4516 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [1] | 0,1 |
| 4517 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [2] | 0,1 |
| 4518 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [3] | 0,1 |
| 4519 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [4] | 0,1 |
| 4520 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [5] | 0,1 |
| 4521 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [6] | 0,1 |
| 4522 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [7] | 0,1 |
| 4523 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [8] | 0,1 |
| 4524 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [9] | 0,1 |
| 4525 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [10] | 0,1 |
| 4526 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [11] | 0,1 |

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| 4527 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [12] | 0,1 |
| 4528 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [13] | 0,1 |
| 4529 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [14] | 0,1 |
| 4530 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [15] | 0,1 |
| 4531 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [16] | 0,1 |
| 4532 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [17] | 0,1 |
| 4533 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [18] | 0,1 |
| 4534 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [19] | 0,1 |
| 4535 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [20] | 0,1 |
| 4536 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [21] | 0,1 |
| 4537 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [22] | 0,1 |
| 4538 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [23] | 0,1 |
| 4539 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [24] | 0,1 |
| 4540 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [25] | 0,1 |
| 4541 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [26] | 0,1 |
| 4542 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [27] | 0,1 |
| 4543 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [28] | 0,1 |
| 4544 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [29] | 0,1 |
| 4545 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [30] | 0,1 |
| 4546 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [31] | 0,1 |
| 4547 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [32] | 0,1 |
| 4548 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [33] | 0,1 |
| 4549 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [34] | 0,1 |
| 4550 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [35] | 0,1 |
| 4551 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [36] | 0,1 |
| 4552 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [37] | 0,1 |
| 4553 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [38] | 0,1 |
| 4554 | SHORT | RD | V | Maximum, Harmonic U L1-L2 | [39] | 0,1 |
| 4555 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [0] | 0,1 |
| 4556 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [1] | 0,1 |
| 4557 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [2] | 0,1 |
| 4558 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [3] | 0,1 |
| 4559 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [4] | 0,1 |
| 4560 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [5] | 0,1 |
| 4561 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [6] | 0,1 |
| 4562 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [7] | 0,1 |
| 4563 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [8] | 0,1 |
| 4564 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [9] | 0,1 |
| 4565 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [10] | 0,1 |
| 4566 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [11] | 0,1 |
| 4567 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [12] | 0,1 |
| 4568 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [13] | 0,1 |
| 4569 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [14] | 0,1 |
| 4570 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [15] | 0,1 |
| 4571 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [16] | 0,1 |
| 4572 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [17] | 0,1 |
| 4573 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [18] | 0,1 |
| 4574 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [19] | 0,1 |
| 4575 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [20] | 0,1 |
| 4576 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [21] | 0,1 |
| 4577 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [22] | 0,1 |
| 4578 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [23] | 0,1 |
| 4579 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [24] | 0,1 |
| 4580 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [25] | 0,1 |
| 4581 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [26] | 0,1 |
| 4582 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [27] | 0,1 |
| 4583 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [28] | 0,1 |
| 4584 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [29] | 0,1 |
| 4585 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [30] | 0,1 |
| 4586 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [31] | 0,1 |
| 4587 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [32] | 0,1 |
| 4588 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [33] | 0,1 |
| 4589 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [34] | 0,1 |
| 4590 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [35] | 0,1 |
| 4591 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [36] | 0,1 |
| 4592 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [37] | 0,1 |

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| 4593 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [38] | 0,1 |
| 4594 | SHORT | RD | V | Maximum, Harmonic U L2-L3 | [39] | 0,1 |
| 4595 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [0] | 0,1 |
| 4596 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [1] | 0,1 |
| 4597 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [2] | 0,1 |
| 4598 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [3] | 0,1 |
| 4599 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [4] | 0,1 |
| 4600 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [5] | 0,1 |
| 4601 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [6] | 0,1 |
| 4602 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [7] | 0,1 |
| 4603 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [8] | 0,1 |
| 4604 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [9] | 0,1 |
| 4605 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [10] | 0,1 |
| 4606 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [11] | 0,1 |
| 4607 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [12] | 0,1 |
| 4608 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [13] | 0,1 |
| 4609 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [14] | 0,1 |
| 4610 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [15] | 0,1 |
| 4611 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [16] | 0,1 |
| 4612 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [17] | 0,1 |
| 4613 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [18] | 0,1 |
| 4614 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [19] | 0,1 |
| 4615 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [20] | 0,1 |
| 4616 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [21] | 0,1 |
| 4617 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [22] | 0,1 |
| 4618 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [23] | 0,1 |
| 4619 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [24] | 0,1 |
| 4620 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [25] | 0,1 |
| 4621 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [26] | 0,1 |
| 4622 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [27] | 0,1 |
| 4623 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [28] | 0,1 |
| 4624 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [29] | 0,1 |
| 4625 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [30] | 0,1 |
| 4626 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [31] | 0,1 |
| 4627 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [32] | 0,1 |
| 4628 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [33] | 0,1 |
| 4629 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [34] | 0,1 |
| 4630 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [35] | 0,1 |
| 4631 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [36] | 0,1 |
| 4632 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [37] | 0,1 |
| 4633 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [38] | 0,1 |
| 4634 | SHORT | RD | V | Maximum, Harmonic U L1-L3 | [39] | 0,1 |
| 4655 | SHORT | RD | mA | Maximum, Harmonic I L1 | [0] | 1 |
| 4656 | SHORT | RD | mA | Maximum, Harmonic I L1 | [1] | 1 |
| 4657 | SHORT | RD | mA | Maximum, Harmonic I L1 | [2] | 1 |
| 4658 | SHORT | RD | mA | Maximum, Harmonic I L1 | [3] | 1 |
| 4659 | SHORT | RD | mA | Maximum, Harmonic I L1 | [4] | 1 |
| 4660 | SHORT | RD | mA | Maximum, Harmonic I L1 | [5] | 1 |
| 4661 | SHORT | RD | mA | Maximum, Harmonic I L1 | [6] | 1 |
| 4662 | SHORT | RD | mA | Maximum, Harmonic I L1 | [7] | 1 |
| 4663 | SHORT | RD | mA | Maximum, Harmonic I L1 | [8] | 1 |
| 4664 | SHORT | RD | mA | Maximum, Harmonic I L1 | [9] | 1 |
| 4665 | SHORT | RD | mA | Maximum, Harmonic I L1 | [10] | 1 |
| 4666 | SHORT | RD | mA | Maximum, Harmonic I L1 | [11] | 1 |
| 4667 | SHORT | RD | mA | Maximum, Harmonic I L1 | [12] | 1 |
| 4668 | SHORT | RD | mA | Maximum, Harmonic I L1 | [13] | 1 |
| 4669 | SHORT | RD | mA | Maximum, Harmonic I L1 | [14] | 1 |
| 4670 | SHORT | RD | mA | Maximum, Harmonic I L1 | [15] | 1 |
| 4671 | SHORT | RD | mA | Maximum, Harmonic I L1 | [16] | 1 |
| 4672 | SHORT | RD | mA | Maximum, Harmonic I L1 | [17] | 1 |
| 4673 | SHORT | RD | mA | Maximum, Harmonic I L1 | [18] | 1 |
| 4674 | SHORT | RD | mA | Maximum, Harmonic I L1 | [19] | 1 |
| 4675 | SHORT | RD | mA | Maximum, Harmonic I L1 | [20] | 1 |
| 4676 | SHORT | RD | mA | Maximum, Harmonic I L1 | [21] | 1 |
| 4677 | SHORT | RD | mA | Maximum, Harmonic I L1 | [22] | 1 |
| 4678 | SHORT | RD | mA | Maximum, Harmonic I L1 | [23] | 1 |

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| 4679 | SHORT | RD | mA | Maximum, Harmonic I L1 | [24] | 1 |
| 4680 | SHORT | RD | mA | Maximum, Harmonic I L1 | [25] | 1 |
| 4681 | SHORT | RD | mA | Maximum, Harmonic I L1 | [26] | 1 |
| 4682 | SHORT | RD | mA | Maximum, Harmonic I L1 | [27] | 1 |
| 4683 | SHORT | RD | mA | Maximum, Harmonic I L1 | [28] | 1 |
| 4684 | SHORT | RD | mA | Maximum, Harmonic I L1 | [29] | 1 |
| 4685 | SHORT | RD | mA | Maximum, Harmonic I L1 | [30] | 1 |
| 4686 | SHORT | RD | mA | Maximum, Harmonic I L1 | [31] | 1 |
| 4687 | SHORT | RD | mA | Maximum, Harmonic I L1 | [32] | 1 |
| 4688 | SHORT | RD | mA | Maximum, Harmonic I L1 | [33] | 1 |
| 4689 | SHORT | RD | mA | Maximum, Harmonic I L1 | [34] | 1 |
| 4690 | SHORT | RD | mA | Maximum, Harmonic I L1 | [35] | 1 |
| 4691 | SHORT | RD | mA | Maximum, Harmonic I L1 | [36] | 1 |
| 4692 | SHORT | RD | mA | Maximum, Harmonic I L1 | [37] | 1 |
| 4693 | SHORT | RD | mA | Maximum, Harmonic I L1 | [38] | 1 |
| 4694 | SHORT | RD | mA | Maximum, Harmonic I L1 | [39] | 1 |
| 4695 | SHORT | RD | mA | Maximum, Harmonic I L2 | [0] | 1 |
| 4696 | SHORT | RD | mA | Maximum, Harmonic I L2 | [1] | 1 |
| 4697 | SHORT | RD | mA | Maximum, Harmonic I L2 | [2] | 1 |
| 4698 | SHORT | RD | mA | Maximum, Harmonic I L2 | [3] | 1 |
| 4699 | SHORT | RD | mA | Maximum, Harmonic I L2 | [4] | 1 |
| 4700 | SHORT | RD | mA | Maximum, Harmonic I L2 | [5] | 1 |
| 4701 | SHORT | RD | mA | Maximum, Harmonic I L2 | [6] | 1 |
| 4702 | SHORT | RD | mA | Maximum, Harmonic I L2 | [7] | 1 |
| 4703 | SHORT | RD | mA | Maximum, Harmonic I L2 | [8] | 1 |
| 4704 | SHORT | RD | mA | Maximum, Harmonic I L2 | [9] | 1 |
| 4705 | SHORT | RD | mA | Maximum, Harmonic I L2 | [10] | 1 |
| 4706 | SHORT | RD | mA | Maximum, Harmonic I L2 | [11] | 1 |
| 4707 | SHORT | RD | mA | Maximum, Harmonic I L2 | [12] | 1 |
| 4708 | SHORT | RD | mA | Maximum, Harmonic I L2 | [13] | 1 |
| 4709 | SHORT | RD | mA | Maximum, Harmonic I L2 | [14] | 1 |
| 4710 | SHORT | RD | mA | Maximum, Harmonic I L2 | [15] | 1 |
| 4711 | SHORT | RD | mA | Maximum, Harmonic I L2 | [16] | 1 |
| 4712 | SHORT | RD | mA | Maximum, Harmonic I L2 | [17] | 1 |
| 4713 | SHORT | RD | mA | Maximum, Harmonic I L2 | [18] | 1 |
| 4714 | SHORT | RD | mA | Maximum, Harmonic I L2 | [19] | 1 |
| 4715 | SHORT | RD | mA | Maximum, Harmonic I L2 | [20] | 1 |
| 4716 | SHORT | RD | mA | Maximum, Harmonic I L2 | [21] | 1 |
| 4717 | SHORT | RD | mA | Maximum, Harmonic I L2 | [22] | 1 |
| 4718 | SHORT | RD | mA | Maximum, Harmonic I L2 | [23] | 1 |
| 4719 | SHORT | RD | mA | Maximum, Harmonic I L2 | [24] | 1 |
| 4720 | SHORT | RD | mA | Maximum, Harmonic I L2 | [25] | 1 |
| 4721 | SHORT | RD | mA | Maximum, Harmonic I L2 | [26] | 1 |
| 4722 | SHORT | RD | mA | Maximum, Harmonic I L2 | [27] | 1 |
| 4723 | SHORT | RD | mA | Maximum, Harmonic I L2 | [28] | 1 |
| 4724 | SHORT | RD | mA | Maximum, Harmonic I L2 | [29] | 1 |
| 4725 | SHORT | RD | mA | Maximum, Harmonic I L2 | [30] | 1 |
| 4726 | SHORT | RD | mA | Maximum, Harmonic I L2 | [31] | 1 |
| 4727 | SHORT | RD | mA | Maximum, Harmonic I L2 | [32] | 1 |
| 4728 | SHORT | RD | mA | Maximum, Harmonic I L2 | [33] | 1 |
| 4729 | SHORT | RD | mA | Maximum, Harmonic I L2 | [34] | 1 |
| 4730 | SHORT | RD | mA | Maximum, Harmonic I L2 | [35] | 1 |
| 4731 | SHORT | RD | mA | Maximum, Harmonic I L2 | [36] | 1 |
| 4732 | SHORT | RD | mA | Maximum, Harmonic I L2 | [37] | 1 |
| 4733 | SHORT | RD | mA | Maximum, Harmonic I L2 | [38] | 1 |
| 4734 | SHORT | RD | mA | Maximum, Harmonic I L2 | [39] | 1 |
| 4735 | SHORT | RD | mA | Maximum, Harmonic I L3 | [0] | 1 |
| 4736 | SHORT | RD | mA | Maximum, Harmonic I L3 | [1] | 1 |
| 4737 | SHORT | RD | mA | Maximum, Harmonic I L3 | [2] | 1 |
| 4738 | SHORT | RD | mA | Maximum, Harmonic I L3 | [3] | 1 |
| 4739 | SHORT | RD | mA | Maximum, Harmonic I L3 | [4] | 1 |
| 4740 | SHORT | RD | mA | Maximum, Harmonic I L3 | [5] | 1 |
| 4741 | SHORT | RD | mA | Maximum, Harmonic I L3 | [6] | 1 |
| 4742 | SHORT | RD | mA | Maximum, Harmonic I L3 | [7] | 1 |
| 4743 | SHORT | RD | mA | Maximum, Harmonic I L3 | [8] | 1 |
| 4744 | SHORT | RD | mA | Maximum, Harmonic I L3 | [9] | 1 |

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| 4745 | SHORT | RD | mA | Maximum, Harmonic I L3 | [10] | 1 |
| 4746 | SHORT | RD | mA | Maximum, Harmonic I L3 | [11] | 1 |
| 4747 | SHORT | RD | mA | Maximum, Harmonic I L3 | [12] | 1 |
| 4748 | SHORT | RD | mA | Maximum, Harmonic I L3 | [13] | 1 |
| 4749 | SHORT | RD | mA | Maximum, Harmonic I L3 | [14] | 1 |
| 4750 | SHORT | RD | mA | Maximum, Harmonic I L3 | [15] | 1 |
| 4751 | SHORT | RD | mA | Maximum, Harmonic I L3 | [16] | 1 |
| 4752 | SHORT | RD | mA | Maximum, Harmonic I L3 | [17] | 1 |
| 4753 | SHORT | RD | mA | Maximum, Harmonic I L3 | [18] | 1 |
| 4754 | SHORT | RD | mA | Maximum, Harmonic I L3 | [19] | 1 |
| 4755 | SHORT | RD | mA | Maximum, Harmonic I L3 | [20] | 1 |
| 4756 | SHORT | RD | mA | Maximum, Harmonic I L3 | [21] | 1 |
| 4757 | SHORT | RD | mA | Maximum, Harmonic I L3 | [22] | 1 |
| 4758 | SHORT | RD | mA | Maximum, Harmonic I L3 | [23] | 1 |
| 4759 | SHORT | RD | mA | Maximum, Harmonic I L3 | [24] | 1 |
| 4760 | SHORT | RD | mA | Maximum, Harmonic I L3 | [25] | 1 |
| 4761 | SHORT | RD | mA | Maximum, Harmonic I L3 | [26] | 1 |
| 4762 | SHORT | RD | mA | Maximum, Harmonic I L3 | [27] | 1 |
| 4763 | SHORT | RD | mA | Maximum, Harmonic I L3 | [28] | 1 |
| 4764 | SHORT | RD | mA | Maximum, Harmonic I L3 | [29] | 1 |
| 4765 | SHORT | RD | mA | Maximum, Harmonic I L3 | [30] | 1 |
| 4766 | SHORT | RD | mA | Maximum, Harmonic I L3 | [31] | 1 |
| 4767 | SHORT | RD | mA | Maximum, Harmonic I L3 | [32] | 1 |
| 4768 | SHORT | RD | mA | Maximum, Harmonic I L3 | [33] | 1 |
| 4769 | SHORT | RD | mA | Maximum, Harmonic I L3 | [34] | 1 |
| 4770 | SHORT | RD | mA | Maximum, Harmonic I L3 | [35] | 1 |
| 4771 | SHORT | RD | mA | Maximum, Harmonic I L3 | [36] | 1 |
| 4772 | SHORT | RD | mA | Maximum, Harmonic I L3 | [37] | 1 |
| 4773 | SHORT | RD | mA | Maximum, Harmonic I L3 | [38] | 1 |
| 4774 | SHORT | RD | mA | Maximum, Harmonic I L3 | [39] | 1 |
| 10824 | SHORT | RD | mA | Maximum Harmonic I L4 | [0] | 1 |
| 10825 | SHORT | RD | mA | Maximum Harmonic I L4 | [1] | 1 |
| 10826 | SHORT | RD | mA | Maximum Harmonic I L4 | [2] | 1 |
| 10827 | SHORT | RD | mA | Maximum Harmonic I L4 | [3] | 1 |
| 10828 | SHORT | RD | mA | Maximum Harmonic I L4 | [4] | 1 |
| 10829 | SHORT | RD | mA | Maximum Harmonic I L4 | [5] | 1 |
| 10830 | SHORT | RD | mA | Maximum Harmonic I L4 | [6] | 1 |
| 10831 | SHORT | RD | mA | Maximum Harmonic I L4 | [7] | 1 |
| 10832 | SHORT | RD | mA | Maximum Harmonic I L4 | [8] | 1 |
| 10833 | SHORT | RD | mA | Maximum Harmonic I L4 | [9] | 1 |
| 10834 | SHORT | RD | mA | Maximum Harmonic I L4 | [10] | 1 |
| 10835 | SHORT | RD | mA | Maximum Harmonic I L4 | [11] | 1 |
| 10836 | SHORT | RD | mA | Maximum Harmonic I L4 | [12] | 1 |
| 10837 | SHORT | RD | mA | Maximum Harmonic I L4 | [13] | 1 |
| 10838 | SHORT | RD | mA | Maximum Harmonic I L4 | [14] | 1 |
| 10839 | SHORT | RD | mA | Maximum Harmonic I L4 | [15] | 1 |
| 10840 | SHORT | RD | mA | Maximum Harmonic I L4 | [16] | 1 |
| 10841 | SHORT | RD | mA | Maximum Harmonic I L4 | [17] | 1 |
| 10842 | SHORT | RD | mA | Maximum Harmonic I L4 | [18] | 1 |
| 10843 | SHORT | RD | mA | Maximum Harmonic I L4 | [19] | 1 |
| 10844 | SHORT | RD | mA | Maximum Harmonic I L4 | [20] | 1 |
| 10845 | SHORT | RD | mA | Maximum Harmonic I L4 | [21] | 1 |
| 10846 | SHORT | RD | mA | Maximum Harmonic I L4 | [22] | 1 |
| 10847 | SHORT | RD | mA | Maximum Harmonic I L4 | [23] | 1 |
| 10848 | SHORT | RD | mA | Maximum Harmonic I L4 | [24] | 1 |
| 10849 | SHORT | RD | mA | Maximum Harmonic I L4 | [25] | 1 |
| 10850 | SHORT | RD | mA | Maximum Harmonic I L4 | [26] | 1 |
| 10851 | SHORT | RD | mA | Maximum Harmonic I L4 | [27] | 1 |
| 10852 | SHORT | RD | mA | Maximum Harmonic I L4 | [28] | 1 |
| 10853 | SHORT | RD | mA | Maximum Harmonic I L4 | [29] | 1 |
| 10854 | SHORT | RD | mA | Maximum Harmonic I L4 | [30] | 1 |
| 10855 | SHORT | RD | mA | Maximum Harmonic I L4 | [31] | 1 |
| 10856 | SHORT | RD | mA | Maximum Harmonic I L4 | [32] | 1 |
| 10857 | SHORT | RD | mA | Maximum Harmonic I L4 | [33] | 1 |
| 10858 | SHORT | RD | mA | Maximum Harmonic I L4 | [34] | 1 |

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| 10859 | SHORT | RD | mA | Maximum Harmonic I L4 | [35] | 1 |
| 10860 | SHORT | RD | mA | Maximum Harmonic I L4 | [36] | 1 |
| 10861 | SHORT | RD | mA | Maximum Harmonic I L4 | [37] | 1 |
| 10862 | SHORT | RD | mA | Maximum Harmonic I L4 | [38] | 1 |
| 10863 | SHORT | RD | mA | Maximum Harmonic I L4 | [39] | 1 |

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