



Process controlled expansion module

Procont[®]-LMC-008-IO

Data sheet

BRIEF DESCRIPTION

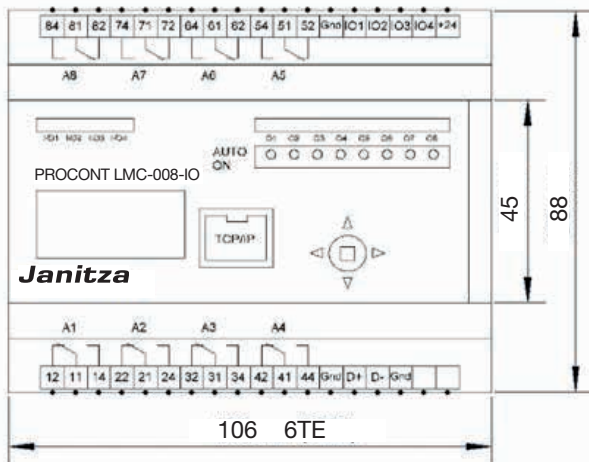
Bus-compatible expansion module LMC-008-IO for Procont®-LMC

- 4 digital inputs for feedback signals
- 8 digital outputs for consumer control
- operation via joystick
- manual switches for relays

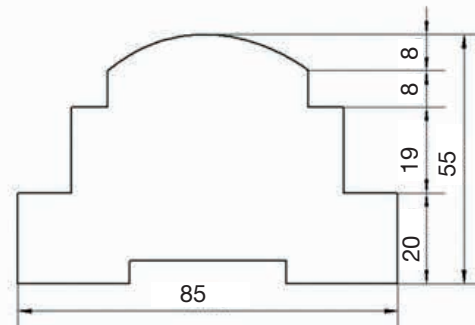


DIMENSIONAL DRAWING

Front view



Side view



All dimensions in mm

TECHNICAL DATA

| General | |
|--------------------|--|
| Net weight | approx. 300 g (0.66 lb) |
| Device dimensions | W = 105 mm (4.13 in), H = 86 mm (3.39 in), D = 60 mm (2.35 in) |
| Display | 8 digits, 2 lines LCD display with backlight |
| Operating | 2-axis joystick |
| Power interruption | Data backup and automatic restart |

| Transport and storage | |
|--|-----------------------------------|
| The following information applies to devices that are transported or stored in their original packaging. | |
| Temperature | -20 °C (-4 °F) to +60 °C (140 °F) |
| Relative air humidity (non-condensing) | 0 to 90% RH |

| Environmental conditions during operation | |
|---|---|
| The device: <ul style="list-style-type: none"> · Is for weather-protected and stationary use. · has protection class I, for safe operation, the protective earth conductor must be connected ! | |
| Rated temperature range | 0 °C (32 °F) to +40 °C (104 °F) |
| Relative humidity (non-condensing) | 0 to 80 % RH |
| Operating altitude | 0 - 2000 m (1.24 mi) above sea level |
| DIN rail mounting - 35 mm (1.38 in) | TS 35/7.5 according to EN 60715 (6TE) |
| Pollution degree | 2 |
| Ventilation | No external ventilation required |
| Protection against foreign matter and water | IP20 according to EN60529 |

| Supply voltage | |
|----------------------|--|
| Nominal range | 24 V DC/150 mA, Connection +24 (+) GND (-) |
| Power consumption | 4 VA (24 VDC, 150 mA) |
| Overvoltage category | II |

| Digital inputs/outputs | |
|-----------------------------------|---|
| 4 inputs, not short-circuit proof | |
| Inputs or optionally outputs | - Inputs 24 VDC 10 mA, input delay 10 ms - Outputs 24 VDC 50 mA |

| Relais outputs | |
|---|---|
| 8 relais outputs, not short-circuit proof | |
| Relay outputs | 8 relay contacts, 6 A 250 AC, 6 A, 30 VDC, 1 changeover contact, monostable Coil power 170 mW |

| RS-485 interface | |
|---------------------------------------|-------------------------|
| 3-conductor connection with A, B, GND | |
| Protocol | Modbus RTU |
| Transmission rate | 9600, 19200, 38400 Baud |

| Ethernet interface LAN 100Base-T | |
|----------------------------------|------------|
| Connection | 1 x RJ45 |
| Protocol and services | Modbus TCP |

| Terminal connection capacity | |
|---|--|
| Connectible conductors. Only connect one conductor per terminal point! | |
| Single core, multi-core, fine-stranded | 0.2 - 2.5 mm ² , AWG 26-12 |
| Wire ferrules (non-insulated) - Recommended stripping length | 0.2 - 2.5 mm ² , AWG 26-12 10 mm (0.3937 in) |
| Wire ferrules (insulated) - Recommended stripping length | 0.2 - 2.5 mm ² , AWG 26-12 13 mm (0.5118 in) |
| Wire ferrules: Length of the contact sleeve | 10 mm (0.3937 in) |

Smart Energy & Power Quality Solutions

Janitza electronics GmbH
Vor dem Polstück 6 | 35633 Lahnau
Germany

Tel. +49 6441 9642-0
info@janitza.com | www.janitza.com

Janitza[®]