



Part no.: 50030836
MA 31 110
Connection unit



Figure can vary

Contents

- Technical data
- Electrical connection
- Operation and display

Part no.: 50030836 – MA 31 110 – Connection unit

Technical data

Basic data

Series MA 31

Electrical data

Performance data

Supply voltage U_B 18 ... 36 V , DC

Interface

Type RS 232 , RS 485

Connection

Number of connections 1 Piece(s)

Connection 1

Type of connection Terminal

Function Connection to device
Data interface
Voltage supply

No. of pins 25 -pin

Connection 2

Type of connection Sub-D

Function Service interface

No. of pins 9 -pin

Mechanical data

Dimension (W x H x L) 120 mm x 55 mm x 180 mm

Housing material Metal

Net weight 640 g

Environmental data

Ambient temperature, operation 0 ... 50 °C

Ambient temperature, storage -20 ... 60 °C

Relative humidity (non-condensing) 5 ... 90 %

Certifications

Degree of protection IP 65

Classification

Customs tariff number 84733080

eCl@ss 8.0 27069190

eCl@ss 9.0 27069190

ETIM 5.0 EC001578

ETIM 6.0 EC001578

Electrical connection

| Connection 1 | |
|--------------------|--|
| Type of connection | Terminal |
| Function | Connection to device Data interface Voltage supply |
| Type of terminal | |
| Cable gland | PG9 |
| No. of pins | 25 -pin |

| Connection 2 | |
|--------------------|-------------------|
| Type of connection | Sub-D |
| Function | Service interface |
| Type | Male |
| No. of pins | 9 -pin |

| Pin | Pin assignment |
|-----|----------------|
| 1 | n.c. |
| 2 | RxD Service |
| 3 | TXD service |
| 4 | n.c. |
| 5 | RS 232 GND |
| 6 | n.c. |
| 7 | n.c. |
| 8 | n.c. |
| 9 | n.c. |

Operation and display

LEDs

| LED | Display | Meaning |
|-----|--------------------------|----------------------------------|
| 1 | Green, continuous light | BUS OK |
| | Green, flashing | Bus error |
| 2 | Green, flashing | Data transmission active |
| | Off | None. |
| 3 | Green, continuous light | Operational readiness |
| | Green, flashing | Device ok, initialization phase |
| 4 | Yellow, flashing | None. |
| | Yellow, continuous light | Device error |
| 5 | Red, continuous light | Trigger |
| | Off | None. |
| 6 | Green, flashing | Switching output/switching state |
| | Off | None. |