

Technical data sheet

Connection unit

Part no.: 50030835

MA 31 100

Contents

- Technical data
- Electrical connection
- Operation and display



Figure can vary



Technical data

Basic data

Series	MA 31
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Electrical data

Performance data

Supply voltage U _B	18 ... 36 V, DC
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Interface

Type	RS 485
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Connection

Number of connections	1 Piece(s)
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Connection 1

Function	Connection to device Data interface Voltage supply
Type of connection	Terminal
No. of pins	25 -pin

Connection 2

Function	Service interface
Type of connection	Sub-D
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
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Classification

Customs tariff number	84733080
eCl@ss 5.1.4	27069190
eCl@ss 8.0	27069190
eCl@ss 9.0	27069190
eCl@ss 10.0	27069190
eCl@ss 11.0	27069090
ETIM 5.0	EC001855
ETIM 6.0	EC001855
ETIM 7.0	EC001855

Electrical connection

Connection 1

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

Pin Pin assignment

1	RS 485 A
2	RS 485 A
3	RS 485 B
4	RS 485 B
5	RS 485 GND
6	RS 485 GND
7	n.c.
8	n.c.
9	n.c.
10	n.c.
11	n.c.

Electrical connection

Pin	Pin assignment
12	n.c.
13	n.c.
14	n.c.
15	n.c.
16	n.c.
17	V_IN
18	V_IN
19	GNDIN
20	GNDIN
21	PE
22	n.c.
23	RS 485 A
24	RS 485 B
25	RS 485 GND
26	
27	

Connection 2

Function	Service interface
Type of connection	Sub-D
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

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	Device OK
	Off	No supply voltage
4	Yellow, continuous light	Device error

Operation and display

LED	Display	Meaning
4	Yellow, flashing	None.
5	Red, continuous light	Trigger
	Off	None.
6	Green, flashing	Switching output/switching state
	Off	None.