



**Part no.: 50030835**  
**MA 31 100**  
**Connection unit**



Figure can vary

## Contents

- Technical data
- Electrical connection
- Operation and display

Part no.: 50030835 – MA 31 100 – Connection unit

## Technical data

<b>Basic data</b>	
Series	MA 31
<b>Electrical data</b>	
<b>Performance data</b>	
Supply voltage $U_B$	18 ... 36 V , DC
<b>Interface</b>	
Type	RS 485
<b>Connection</b>	
Number of connections	1 Piece(s)
<b>Connection 1</b>	
Type of connection	Terminal
Function	Connection to device Data interface Voltage supply
No. of pins	25 -pin
<b>Connection 2</b>	
Type of connection	Sub-D
Function	Service interface
No. of pins	9 -pin
<b>Mechanical data</b>	
Dimension (W x H x L)	120 mm x 55 mm x 180 mm
Housing material	Metal
Net weight	640 g
<b>Environmental data</b>	
Ambient temperature, operation	0 ... 50 °C
Ambient temperature, storage	-20 ... 60 °C
Relative humidity (non-condensing)	5 ... 90 %
<b>Certifications</b>	
Degree of protection	IP 65
<b>Classification</b>	
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	Device OK
	Off	No supply voltage
4	Yellow, continuous light	Device error
	Yellow, flashing	None.
5	Red, continuous light	Trigger
	Off	None.
6	Green, flashing	Switching output/switching state
	Off	None.