



Figure can vary

Part no.: 50036186
MA 2 L
Connection unit



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Part no.: 50036186 – MA 2 L – Connection unit

Technical data

Basic data	
Series	MA 2
Suitable for	BCL 2x series bar code readers BCL 3x series bar code readers
Interface	
Type	RS 232 , RS 485
Connection	
Number of connections	3 Piece(s)
Connection 1	
Type of connection	Terminal
Function	Data interface PWR / SW IN/OUT
No. of pins	24 -pin
Connection 2	
Type of connection	Sub-D
Function	Connection to device
No. of pins	15 -pin
Connection 3	
Type of connection	Sub-D
Function	Service interface
Mechanical data	
Dimension (W x H x L)	118 mm x 78.5 mm x 130 mm
Housing material	Metal
Net weight	660 g
Environmental data	
Ambient temperature, operation	-10 ... 50 °C
Ambient temperature, storage	-20 ... 60 °C
Relative humidity (non-condensing)	90 %
Classification	
Customs tariff number	84735080
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	Data interface PWR / SW IN/OUT
Type of terminal	

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Connection 1	
Cable gland	PG11
No. of pins	24 -pin

Connection 2	
Type of connection	Sub-D
Function	Connection to device
Type	Male
No. of pins	15 -pin

Pin	Pin assignment
1	GND 485 / GND
2	SWIN 1
3	RS 485 A / CTS
4	RS 485B / RTS
5	/MA0 // DY_CHN
6	/MA1 / SWO2
7	/Serv
8	VIN
9	/MA4 / SWI2
10	SWOUT 1
11	RXD_SERV / RXD
12	TXD_SERV / TXD
13	/MA2 / SCL_MA
14	/MA3 / SDA_MA
15	GNDIN

Connection 3	
Type of connection	Sub-D
Function	Service interface
No. of pins	9 -pin
Type	Male

Pin	Pin assignment
1	n.c.
2	RxD_Serv
3	TxD_Serv
4	n.c.
5	GNDIN
6	n.c.
7	RS 232 RTS
8	RS 232 CTS
9	n.c.

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Operation and display

LEDs

LED	Display	Meaning
1	Green	Switching output/switching state

Accessories

Mounting technology - Rod mounts

	Part no.	Designation	Article	Description
	50027375	BT 56	Mounting device	Functions: Static applications Design of mounting device: Mounting system Fastening, at system: For 16 mm rod, For 18 mm rod, For 20 mm rod Mounting bracket, at device: Clampable Material: Metal Tightening torque of the clamping jaws: 8 N·m

Note

A list with all available accessories can be found on the Leuze electronic website in the Download tab of the article detailed page.