



Part no.: 50104789
MA 8-02
Modular connection unit



Figure can vary

Contents

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- Electrical connection

Part no.: 50104789 – MA 8-02 – Modular connection unit

Technical data

Basic data	
Series	MA 8
Suitable for	BCL 8 series bar code readers BPS 8 series bar code positioning system
Electrical data	
Performance data	
Supply voltage U_B	10 ... 30 V , DC
Current consumption, max.	50 mA
Interface	
Type	RS 485
RS 485	
Termination	47k Ω / 150 Ω / 47 k Ω
Connection	
Number of connections	3 Piece(s)
Connection 1	
Type of connection	Connector
Function	Connection to device
Thread size	M12
Type	Female
Material	Metal
No. of pins	5 -pin
Encoding	A-coded
Connection 2	
Type of connection	Connector
Function	Signal IN Signal OUT
Thread size	M12
Type	Female
Material	Metal
No. of pins	5 -pin
Encoding	A-coded
Connection 3	
Type of connection	Connector
Function	Connection with PLC Voltage supply
Thread size	M12
Type	Male
Material	Metal
No. of pins	5 -pin
Encoding	A-coded
Mechanical data	
Dimension (W x H x L)	32 mm x 25 mm x 86 mm
Housing material	Plastic
Net weight	70 g

Environmental data

Ambient temperature, operation	0 ... 50 °C
Ambient temperature, storage	-30 ... 80 °C
Relative humidity (non-condensing)	0 ... 90 %

Certifications

Degree of protection	IP 67
Certifications	c UL US

Classification

Customs tariff number	85369010
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	Connector
Function	Connection to device
Thread size	M12
Type	Female
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

Pin	Pin assignment
1	VIN
2	TXD
3	GND
4	RxD
5	SW IN/OUT

Connection 2	
Type of connection	Connector
Function	Signal IN Signal OUT
Thread size	M12
Type	Female
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

Pin	Pin assignment
1	VOUT

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Pin	Pin assignment
2	SW OUT
3	GND
4	SW IN
5	FE

Connection 3	
Type of connection	Connector
Function	Connection with PLC Voltage supply
Thread size	M12
Type	Male
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

Pin	Pin assignment
1	VIN
2	RS 485 B (N)
3	GND
4	RS 485 A (P)
5	FE