Technical data sheet

Modular connection unit

Part no.: 50104789

MA 8-02

For Illustration purposes only

Contents

Technical data

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Basic data

Series	MA 8
Suitable for	BCL 8 series bar code readers
	BPS 8 series bar code positioning system

Electrical data

Protective circuit	No information

Performance data

Supply voltage U_B	10 ... 30 V, DC
Current consumption, max.	50 mA

Interface

Type	RS 485

RS 485

Termination	47 kΩ / 150 Ω / 47 kΩ

Connection

Number of connections	3 Piece(s)

Connection 1

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

Connection 2

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

Connection 3

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

Mechanical data

Design	Cubic
Dimension (W x H x L)	32 mm x 25 mm x 86 mm
Housing material	Plastic
Net weight	70 g
Housing color	Black

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
Protection class	III
Approvals	c UL US

Classification

Customs tariff number	85366990
ECLASS 5.1.4	27069190
ECLASS 8.0	27069190
ECLASS 9.0	27069190
ECLASS 10.0	27069190
ECLASS 11.0	27069090
ECLASS 12.0	27069090
ECLASS 13.0	27069090
ECLASS 14.0	27069090
ECLASS 15.0	27069090
ECLASS 16.0	27069090
ETIM 5.0	EC001855
ETIM 6.0	EC001855
ETIM 7.0	EC001855
ETIM 8.0	EC001855
ETIM 9.0	EC001855
ETIM 10.0	EC001855

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Electrical connection

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Connection 1

Function	Connection to device
Type of connection	Connector
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

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

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

Connection 3

Function	Connection with PLC
	Voltage supply
Type of connection	Connector
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

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