

## Technical data sheet Modular connection unit

Part no.: 50104789

MA 8-02

### Contents

- Technical data
- Electrical connection



Figure can vary



## Technical data

### Basic data

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

### Electrical data

<b>Performance data</b>	
Supply voltage $U_B$	10 ... 30 V, DC
Current consumption, max.	50 mA

### Interface

Type	RS 485
<b>RS 485</b>	
Termination	47k $\Omega$ / 150 $\Omega$ / 47 k $\Omega$

### Connection

Number of connections	3 Piece(s)
<b>Connection 1</b>	
Function	Connection to device
Type of connection	Connector
Thread size	M12
Type	Female
Material	Metal
No. of pins	5 -pin
Encoding	A-coded
<b>Connection 2</b>	
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

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 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
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

## Electrical connection

### 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