



**Part no.: 50107684**  
**MS 37 103**  
**Connection unit**

Figure can vary

## Contents

- Technical data
- Electrical connection
- Operation and display

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## Technical data

<b>Basic data</b>	
Suitable for	BPS 37
Suitable for interface	SSI
<b>Electrical data</b>	
Protective circuit	Short circuit protected
<b>Performance data</b>	
Supply voltage U <sub>B</sub>	DC
<b>Connection</b>	
Number of connections	3 Piece(s)
<b>Connection 1</b>	
Type of connection	Connector
Function	Service interface
Thread size	M12
Type	Female
Material	Metal
No. of pins	5 -pin
Encoding	A-coded
<b>Connection 2</b>	
Type of connection	Connector
Designation on device	HOST / BUS IN
Function	Data interface
Thread size	M12
Type	Male
Material	Metal
No. of pins	5 -pin
Encoding	B-coded
<b>Connection 3</b>	
Type of connection	Connector
Designation on device	PWR
Function	Voltage supply
Thread size	M12
Type	Male
Material	Metal
No. of pins	5 -pin
Encoding	A-coded
<b>Mechanical data</b>	
Design	Cubic
Dimension (W x H x L)	90 mm x 38 mm x 39 mm
Housing material	Metal
Net weight	160 g
Housing color	Black
Type of fastening	Dovetail grooves
<b>Operation and display</b>	
Type of display	LED

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Number of LEDs	1 Piece(s)
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### Environmental data

Ambient temperature, operation	-30 ... 50 °C
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### Certifications

Degree of protection	IP 65
Certifications	UL

### Classification

Customs tariff number	84733080
eCl@ss 8.0	27279290
eCl@ss 9.0	27279090
ETIM 5.0	EC002498
ETIM 6.0	EC002498

## Electrical connection

Connection 1	SERVICE
Type of connection	Connector
Function	Service interface
Thread size	M12
Type	Female
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

Pin	Pin assignment
1	NC
2	TXD
3	GND
4	RxD
5	/Serv

Connection 2	HOST / BUS IN
Type of connection	Connector
Function	Data interface
Thread size	M12
Type	Male
Material	Metal
No. of pins	5 -pin
Encoding	B-coded

Pin	Pin assignment
1	DATA+

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Pin	Pin assignment
2	DATA-
3	CLK+
4	CLK-
5	FE

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

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

## Operation and display

### LEDs

LED	Display	Meaning
1	Green, continuous light	Operational readiness
	Orange, continuous light	Switching output/switching state
	Red, continuous light	Device error