

Technical data sheet

Connection unit

Part no.: 50107684

MS 37 103

Contents

- Technical data
- Electrical connection
- Operation and display



For illustration purposes only

Technical data

Basic data

Suitable for	BPS 37
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Electrical data

Protective circuit	Short circuit protected
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Performance data

Supply voltage U_B	10 ... 30 V, DC
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Inputs

Number of digital switching inputs	1 Piece(s)
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Outputs

Number of digital switching outputs	1 Piece(s)
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Interface

Type	SSI, SSI
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Connection

Number of connections	3 Piece(s)
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Connection 1

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

Function	Data interface
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Type of connection	Connector
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Thread size	M12
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Type	Male
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Material	Metal
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No. of pins	5 -pin
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Encoding	B-coded
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Connection 3

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

Design	Cubic
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Dimension (W x H x L)	90 mm x 38 mm x 39 mm
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Housing material	Metal
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Metal housing	Diecast zinc
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Net weight	160 g
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Housing color	Black
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Operation and display

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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Ambient temperature, storage	-30 ... 60 °C
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Relative humidity (non-condensing)	0 ... 90 %
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Certifications

Degree of protection	IP 65
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Protection class	III
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Certifications	UL
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Test procedure for EMC in accordance with standard	EN 61000-4-2, -3, -4, -6 EN 61326-1
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Test procedure for shock in accordance with standard	IEC 60068-2-27, test Ea
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Test procedure for continuous shock in accordance with standard	IEC 60068-2-29, test Eb
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Test procedure for vibration in accordance with standard	IEC 60068-2-6, test Fc
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Classification

Customs tariff number	84733080
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ECLASS 5.1.4	27280190
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ECLASS 8.0	27280190
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ECLASS 9.0	27279090
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ECLASS 10.0	27280192
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ECLASS 11.0	27280191
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ECLASS 12.0	27280191
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ECLASS 13.0	27280191
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ECLASS 14.0	27280191
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ETIM 5.0	EC002498
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ETIM 6.0	EC003015
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ETIM 7.0	EC003015
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ETIM 8.0	EC003015
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ETIM 9.0	EC003015
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Electrical connection

Connection 1

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

SERVICE

Electrical connection

Pin Pin assignment

1	NC
2	TXD
3	GND
4	RxD
5	/Serv

Connection 2

HOST / BUS IN

Function	Data interface
Type of connection	Connector
Thread size	M12
Type	Male
Material	Metal
No. of pins	5 -pin
Encoding	B-coded

Pin Pin assignment

1	DATA+
2	DATA-
3	CLK+
4	CLK-
5	FE

Connection 3

PWR

Function	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	SW OUT
3	GND
4	SW IN
5	FE

Operation and display

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