

Technical data sheet

Connection unit

Part no.: 50037231

MS 34 105

Contents

- Technical data
- Electrical connection
- Operation and display



For illustration purposes only

Technical data

Basic data

Suitable for	BCL 34
	BPS 34

Interface

Type	PROFIBUS DP, PROFIBUS DP
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Connection

Number of connections	5 Piece(s)
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Connection 1

Function	Service interface
Type of connection	Connector
Thread size	M12
Type	Female
Material	Metal
No. of pins	8 -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	PROFIBUS OUT
Type of connection	Connector
Thread size	M12
Type	Female
Material	Metal
No. of pins	5 -pin
Encoding	B-coded

Connection 4

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

Connection 5

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

Mechanical data

Design	Cubic
Dimension (W x H x L)	90 mm x 36 mm x 39 mm
Housing material	Metal
Metal housing	Diecast zinc
Net weight	160 g
Housing color	Black

Operation and display

Type of display	LED
Number of LEDs	1 Piece(s)

Certifications

Degree of protection	IP 65
Protection class	III
Approvals	c UL US

Classification

Customs tariff number	84733080
ECLASS 5.1.4	27280190
ECLASS 8.0	27280190
ECLASS 9.0	27279090
ECLASS 10.0	27280192
ECLASS 11.0	27280191
ECLASS 12.0	27280191
ECLASS 13.0	27280191
ECLASS 14.0	27280191
ECLASS 15.0	27280191
ETIM 5.0	EC002498
ETIM 6.0	EC003015
ETIM 7.0	EC003015
ETIM 8.0	EC003015
ETIM 9.0	EC003015

Electrical connection

Connection 1

Function	Service interface
Type of connection	Connector
Thread size	M12
Type	Female
Material	Metal
No. of pins	8 -pin
Encoding	A-coded

SERVICE

Electrical connection

Pin	Pin assignment
1	/Serv
2	VIN
3	TxD
4	RxD
5	SDA
6	SCL
7	GND
8	/INT

Connection 2	SW IN/OUT
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	SWO 1
3	GND
4	SWIN 1
5	FE

Connection 3	BUS OUT
Function	PROFIBUS OUT
Type of connection	Connector
Thread size	M12
Type	Female
Material	Metal
No. of pins	5 -pin
Encoding	B-coded

Pin	Pin assignment
1	VP
2	N
3	GND P
4	P
5	FE

Connection 4	HOST / BUS IN
Function	PROFIBUS IN
Type of connection	Connector
Thread size	M12
Type	Male
Material	Metal
No. of pins	5 -pin
Encoding	B-coded

Electrical connection

Pin	Pin assignment
1	VP
2	n
3	GNDP
4	P
5	FE

Connection 5	PWR
Function	Voltage supply
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	SWO 1
3	GNDIN
4	SWIN 1
5	FE

Operation and display

LED	Display	Meaning
1	Green	BUS OK
	Green, flashing	Device ok, initialization phase
	Green	Data transmission active
	Red, flashing	Bus error
	Red	Bus error
	Orange, continuous light	Service operation active