

Technical data sheet

Connector hood

Part no.: 50150597

MS 342

Contents

- Technical data
- Dimensioned drawings
- Electrical connection
- Operation and display



For illustration purposes only



Technical data

Basic data

Suitable for	BCL 300i
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Electrical data

Performance data

Supply voltage U_B	18 ... 30 V, DC, (PELV, class 2)
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Interface

Type	IO-Link
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IO-Link

COM mode	COM3
Min. cycle time	2 ms
Port type	A
Specification	V1.2
Device ID	5201
Process data IN	1 byte
Process data OUT	32 byte

Service interface

Type	USB 2.0
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Connection

Number of connections	1 Piece(s)
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Connection 1

Function	IO-Link
Type of connection	Connector
Thread size	M12
Type	Male
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

Connection 2

Function	Service interface
Type of connection	USB
Connector type	USB 2.0 Mini-B

Connection 3

Function	n.c.
Type of connection	Connector

Connection 4

Function	FE Functional Earth
Type of connection	Connector

Mechanical data

Design	Cubic
Dimension (W x H x L)	64 mm x 33.5 mm x 43.5 mm
Housing material	Metal
Metal housing	Diecast aluminum
Net weight	230 g
Housing color	Red

Operation and display

Type of display	LED
Number of LEDs	2 Piece(s)

Environmental data

Ambient temperature, storage	0 ... 40 °C
Relative humidity (non-condensing)	90 %

Certifications

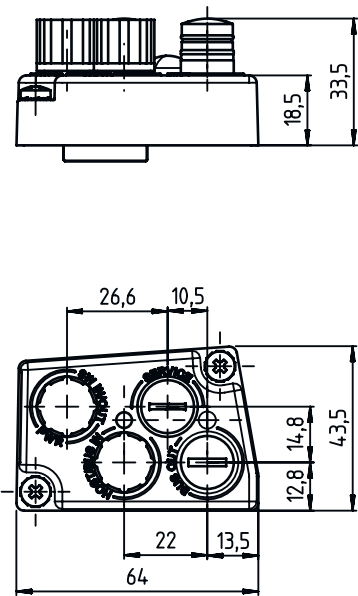
Degree of protection	IP 65, Only for screwed M12 plugs or screwed cable glands and mounted caps. Minimum tightening torque of the housing connecting screw of the connection hood is 1.4 Nm!
Protection class	III
Test procedure for EMC in accordance with standard	EN 61000-6-2
Test procedure for shock in accordance with standard	IEC 60068-2-27, test Ea
Test procedure for continuous shock in accordance with standard	IEC 60068-2-27, test Ea
Test procedure for vibration in accordance with standard	IEC 60068-2-6, test Fc

Classification

Customs tariff number	84719000
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
ECLASS 16.0	27280191
ETIM 5.0	EC002498
ETIM 6.0	EC003015
ETIM 7.0	EC003015
ETIM 8.0	EC003015
ETIM 9.0	EC003015
ETIM 10.0	EC003015

Dimensioned drawings

All dimensions in millimeters



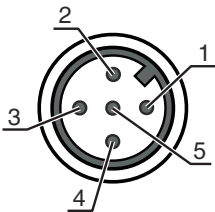
Electrical connection

Connection 1

Function	IO-Link
Type of connection	Connector
Thread size	M12
Type	Male
Material	Metal
No. of pins	5 -pin
Encoding	A-coded

Pin Pin assignment

1	L+ (VIN)
2	I/Q
3	L- (GND)
4	C/Q
5	Reserved

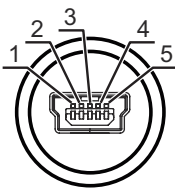


Connection 2

Function	Service interface
Type of connection	USB
Connector type	USB 2.0 Mini-B

Pin Pin assignment

1	VB
2	D-
3	D+
4	ID
5	GND



Electrical connection

Connection 3

Function	n.c.
Type of connection	Connector

Connection 4

Function	FE Functional Earth
Type of connection	Connector

Operation and display

LED	Display	Meaning
1	Green, continuous light	BCL and MS ready for operation
	Green, flashing	Device initialization, BCL and MS not ready for operation
2	Yellow, continuous light	MS 342 communicating with the master via IO-Link
	Yellow, flashing	MS 342 ready for IO-Link communication, no connection to the master