

■ For SMW-AUTOBLOK hydraulic clamping cylinders

Linear Position Sensor
Measuring range 14 mm



IO-Link

Application/customer benefits

- High precise inductive linear position measuring system
- Ready for Industry 4.0

Technical features

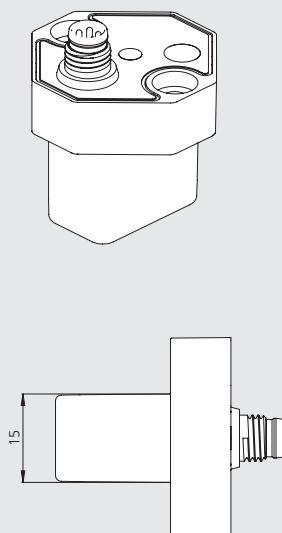
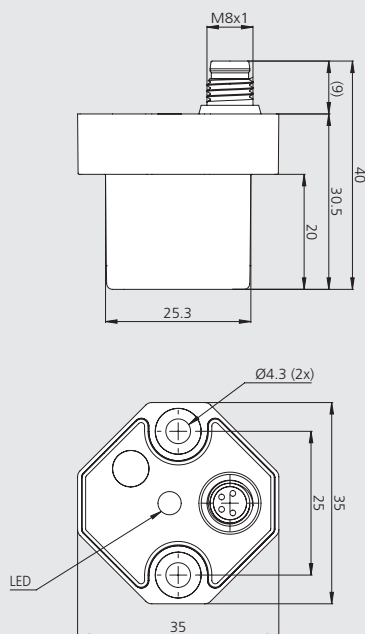
- Inductive measuring system
- No interference from magnetic fields
- Measuring range = 14 mm
- Compact design / simple installation
- Analog output 0 - 10V (Id. No. 208106)
- IO-Link standard interface
- Protection class IP 67

Standard equipment

LPS 4.0 14 IO without cable

Ordering example

LPS 4.0 14 IO 0 - 10V
Id. No. 208106
Cable with elbow plug 5 m
Id. No. 208241



Pin Assignment Plug M8 x 1

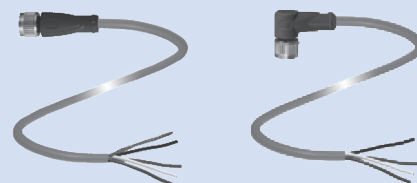
Pin	Description
1	24V DC
2	Signal output 0 - 10V
3	GND
4	C/Q (IO-Link)



Technical data

SMW-AUTOBLOK Type	LPS 4.0 14 IO 0 - 10V
Id. No.	208106
Measuring range	14 mm
Output signal	0 - 10V
Power supply	24V DC
Repeat accuracy	± 0.05 mm
Linearity	± 0.20 mm
Temperature drift	0.25 mm
Operating temperature	10 - 60°
Protection class	IP 67
Interface	IO-Link 1.0
MTTF _a	490 a
Mission time (T _M)	20 a
Diagnostic Coverage (DC)	0%

Cables for LPS 4.0 14 IO*	Length	Id. No.
Sensor connection cable straight plug	5 m	208238
M8 x 1 5-pin	10 m	208239
	15 m	208240
Sensor connection cable elbow plug	5 m	208241
M8 x 1 5-pin	10 m	208242
	15 m	208243



* Shielded PUR cable, 1 side cable end, 1 side with socket M8 x 1, machined and gold-plated contacts.

LPS 4.0 48 IO

Linear Position Sensor
Measuring range 48 mm

Linear Position Sensor

■ For SMW-AUTOBLOK hydraulic clamping cylinders

Application/customer benefits

- Monitoring of the entire cylinder stroke / safe controlling of any clamping position
- No repositioning of prox. switches when changing workpiece
- Ready for Industry 4.0

Technical features

- Inductive measuring principle
- No interference from magnetic fields
- Measuring range = 48 mm
- Compact design / simple installation
- Analog output 0 - 10 V (Id. No. 208108) / 4 - 20 mA (Id. No. 208107)
- IO Link standard interface
- Protection class IP 67
- LEDs for operating status

Standard equipment

LPS 4.0 48 IO without cable

Ordering example

LPS 4.0 48 IO 0 - 10 V

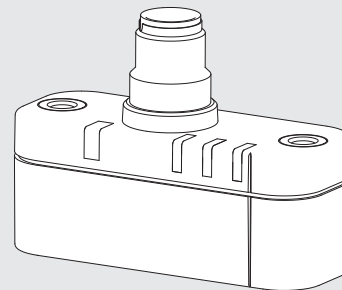
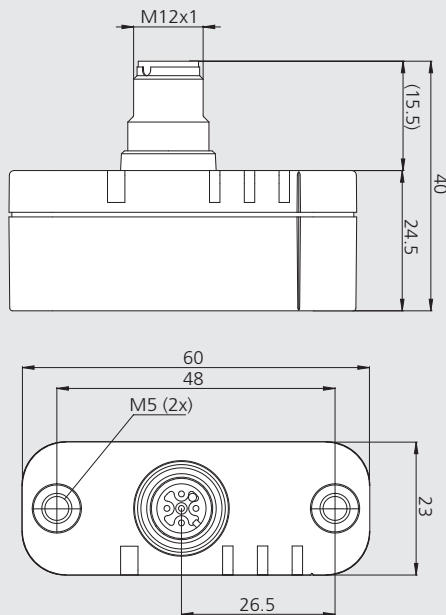
Id. No. 208108

Cable with elbow plug 5 m

Id. No. 208247

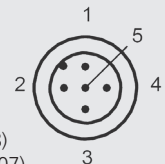


IO-Link



Pin Assignment Plug M12 x 1

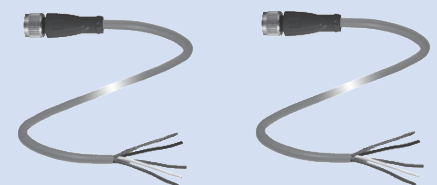
Pin	Description
1	24V DC
2	not used
3	GND
4	C/Q (data)
5	Signal output 0 - 10 V (Id. No. 208108)
	Signal output 4 - 20 mA (Id. No. 208107)



Technical data

SMW-AUTOBLOK Type	LPS 4.0 48 IO 0 - 10 V	LPS 4.0 48 IO 4 - 20 mA
Id. No.	208108	208107
Measuring range	48 mm	48 mm
Signal	0 - 10 V	4 - 20 mA
Supply	24 V DC	24 V DC
Repeat accuracy	± 0.1 mm	± 0.1 mm
Linearity	± 0.2 mm	± 0.2 mm
Temperature drift	0.25 mm	0.25 mm
Operating temperature	0 - 70°	0 - 70°
Protection class	IP 67	IP 67
Interface	IO Link 1.1	IO Link 1.1

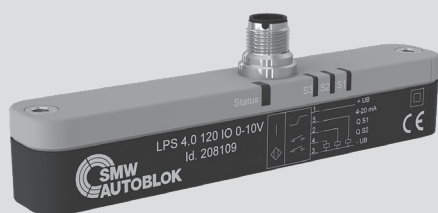
Cables for LPS 4.0 48 IO*	Length	Id. No.
Sensor connection cable straight plug	5 m	208244
M 12 x 1 5-pin	10 m	208245
	15 m	208246
Sensor connection cable elbow plug	5 m	208247
M 12 x 1 5-pin	10 m	208248
	15 m	208249



* Shielded PUR cable, 1 side cable end, 1 side with socket M12 x 1, machined and gold-plated contacts.

■ For SMW-AUTOBLOK hydraulic clamping cylinders

Linear Position Sensor
Measuring range 120 mm



Application/customer benefits

- High precise inductive linear position measuring system
- Ready for Industry 4.0

Technical features

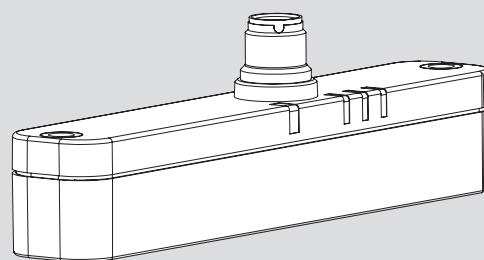
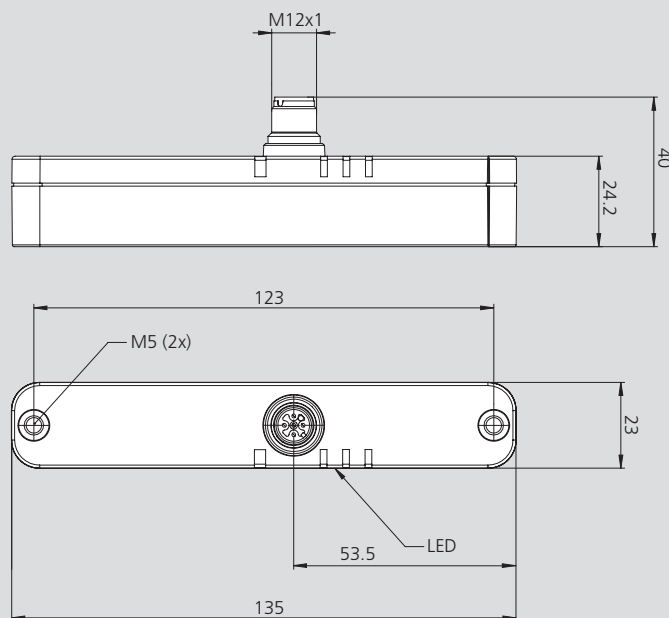
- Inductive measuring system
- No interference from magnetic fields
- Measuring range = 120 mm
- Compact design / simple installation
- Analog output 0 - 10V (Id. No. 208110) / 4 - 20mA (Id. No. 208109)
- IO Link standard interface
- Protection class IP 67
- LEDs for operating status

Standard equipment

LPS 4.0 120 IO without cable

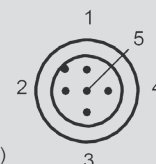
Ordering example

LPS 4.0 120 IO 0 - 10V
Id. No. 208110
Cable with elbow plug 5 m
Id. No. 208247



Pin Assignment Plug M12 x 1

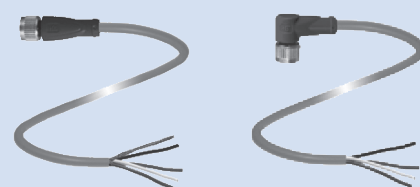
Pin	Description
1	24V DC
2	not used
3	GND
4	C/Q (IO-Link)
5	Signal output 0 - 10V (Id. No. 208110) Signal output 4 - 20mA (Id. No. 208109)



Technical data

SMW-AUTOBLOK Type	LPS 4.0 120 IO 0 - 10V	LPS 4.0 120 IO 4 - 20mA
Id. No.	208110	208109
Measuring range	120 mm	120 mm
Output signal	0 - 10V	4 - 20mA
Power supply	24V DC	24V DC
Repeat accuracy	± 0.1 mm	± 0.1 mm
Linearity	± 0.2 mm	± 0.2 mm
Temperature drift	0.25 mm	0.25 mm
Operating temperature	0 - 70°	0 - 70°
Protection class	IP 67	IP 67
Interface	IO-Link 1.1	IO-Link 1.1
MTTF _a	271 a	271 a
Mission time (T _M)	20 a	20 a
Diagnostic Coverage (DC)	0%	0%

Cables for LPS 4.0 120 IO*	Length	Id. No.
Sensor connection cable straight plug M12 x 1 5-pin	5 m	208244
	10 m	208245
	15 m	208246
Sensor connection cable elbow plug M12 x 1 5-pin	5 m	208247
	10 m	208248
	15 m	208249



* Shielded PUR cable, 1 side cable end, 1 side with socket M12 x 1, machined and gold-plated contacts.