

LPS 4.0 80 IO

Measuring range 80 mm

Linear Position Sensor

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 = 80 mm
- Compact design / simple installation
- Analog output 0 - 10 V / 4 - 20 mA
- IO-Link standard interface
- Protection class IP 67
- LEDs for operating status

Standard equipment

LPS 4.0 80 IO without cable

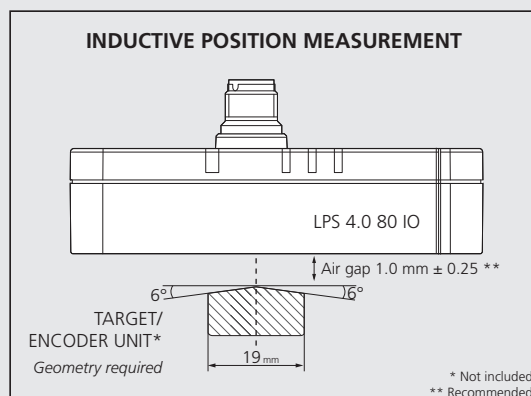
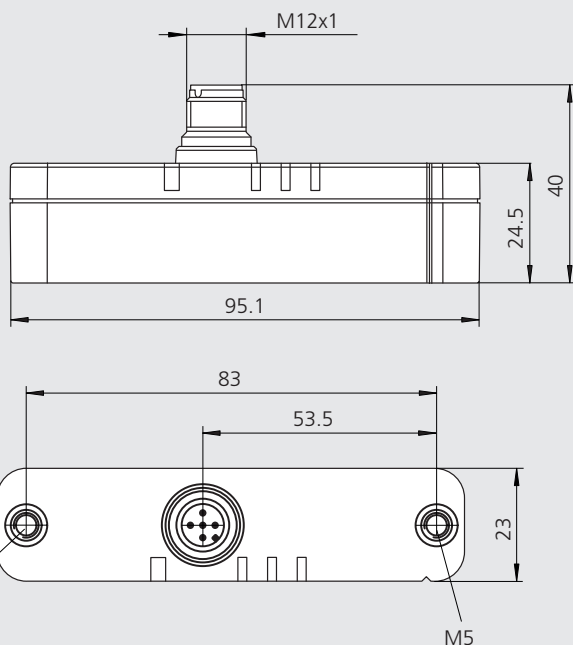
Ordering example

LPS 4.0 80 IO 0 - 10 V

Id. No. 212001

Cable with elbow plug 5 m

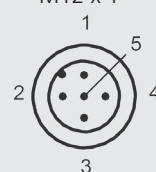
Id. No. 208247



Pin Assignment

Pin	Description
1	24 V DC
2	not used
3	GND
4	C/Q (IO-Link)
5	Signal output 0 - 10 V (Id. No. 212001) Signal output 4 - 20 mA (Id. No. 212000)

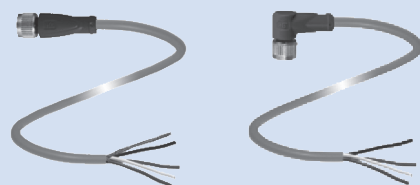
Male connector
M12 x 1



Technical data

SMW-AUTOBLOK Type	LPS 4.0 80 IO 0 - 10 V	LPS 4.0 80 IO 4 - 20 mA
Id. No.	212001	212000
Measuring range	80 mm	
Output signal	0 - 10 V	4 - 20 mA
Power supply	24 V DC	
Repeat accuracy	± 0.1 mm	
Linearity	± 0.2 mm	
Temperature drift	0.25 mm	
Operating temperature	10 - 60°	
Protection class	IP 67	
Interface	IO-Link 1.1	
MTTF _d	311 a	
Mission time (T _M)	20 a	
Diagnostic Coverage (DC)	0%	

Cables for LPS 4.0 80 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.