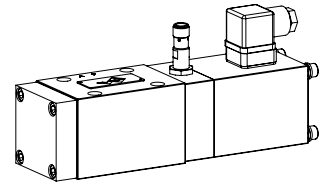


Solenoid operated poppet valve with additional inductive switching position monitoring

NG10
ISO 4401-05

Flange construction

- ◆ 2/2- and 3/2-way
- ◆ normally open and normally closed
- ◆ $Q_{max} = 80 \text{ l/min}$
- ◆ $p_{max} = 350 \text{ bar}$



DESCRIPTION

Solenoid operated poppet valve according to data sheet 1.11-2160 with additional inductive switching position monitoring. The contactless sensor transmits the poppet position to a step signal.

TYPE CODE

2/2 or 3/2 way execution		A S ☐ 2 10 ☐ - ☐ - ☐ # ☐	
International standard interface ISO			
Solenoid, Super			
2 way (connections)	☐ 2		
3 way (connections)	☐ 3		
2 switching positions			
Nominal size 10			
Normally closed	Solenoid on A-side ☐ 1a		
Normally open	Solenoid on B-side ☐ 0b		
Other type designation according to type code data sheet 1.11-2160			
Polarity /Signal output /Monitoring	Solenoid on A-side ☐ P1a	Solenoid on B-side	☐ P1b
PNP / NO or NC	Solenoid on A-side	Solenoid on B-side	☐ P2b
NPN / NO	☐ P2a		
Design index (subject to change)			

1.11-2162

GENERAL SPECIFICATIONS

Weight 5,30 kg (22101)
5,95kg (22100; 3210.)

Sensor Specifications:	
Operating voltage	10...36 VDC
Signal current	max. 200 mA
Protection class	IP 68 According to the connection type, the protection class of the valve can be lower, see data sheet 1.11-2160
Dimensions	M12 x 1
Ambient temperature	-25...+70 °C
Fastening torque	7,5 Nm

ACCESSORIES

Mating connector (plug female)

straight, screw terminal Article no. 219.2978

90°, screw terminal Article no. 219.3003

SURFACE TREATMENT

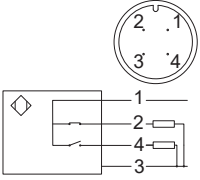
- ◆ The valve body is painted with a two component paint
- ◆ The solenoid, the flange and the cover are zinc-nickel coated
- ◆ The socket head screws are zinc coated

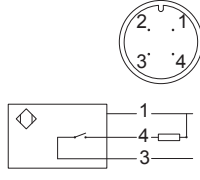
Note!



Other specifications, see data sheet 1.11-2160

ELECTRICAL CONNECTION

Type:	PNP, NO (Normally open) or NC (Normally closed)
Designation:	P1
Article no.:	205.5028
Device receptacle	M12, 4 pole male 
Mating connector (not included in delivery)	M12, 4 pole female

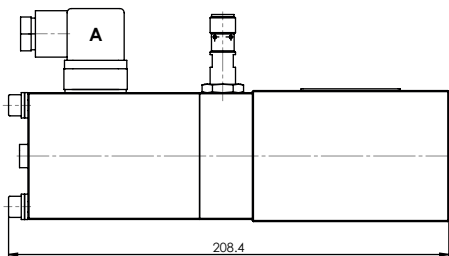
Type:	NPN, NO (Normally open)
Designation:	P2
Article no.:	205.5027
Device receptacle	M12, 4 pole male 
Mating connector (not included in delivery)	M12, 4 pole female

Signal characteristics

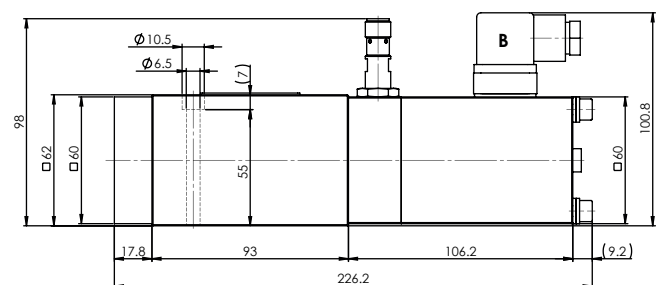
Signal of the actuator	Signal of the sensor	
	NO Normally open	NC Normally closed
A / B	S1	S1
0	0	1
1	1	0

DIMENSIONS

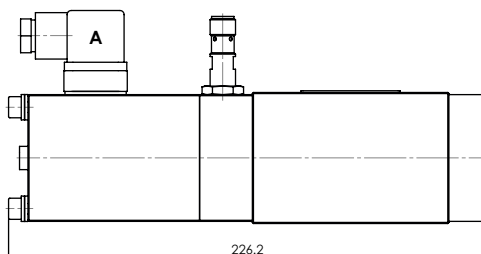
22101 (solenoid on A side)



22100 (solenoid on B side)



32101 (solenoid on A side)



32100 (solenoid on B side)

