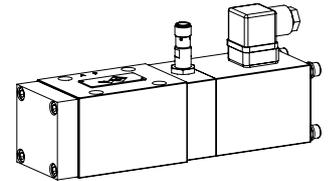


**Solenoid operated poppet valve with additional inductive switching position monitoring**
**NG10**  
**ISO 4401-05**

**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   2 10  -  -  # 

International standard interface ISO

 Solenoid, Medium  M  
 Solenoid, Super  S

 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  
 PNP / NO or NC Solenoid on A-side  P1a Solenoid on B-side  P1b  
 NPN / NO Solenoid on A-side  P2a Solenoid on B-side  P2b

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

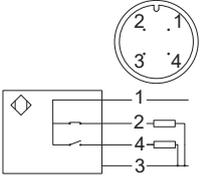
**SURFACE TREATMENT**

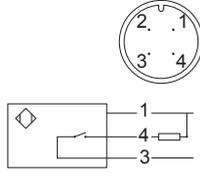
- ◆ The valve body is painted with a two component paint
- ◆ The solenoid, the flange and the cover are zinc-nickel coated
- ◆ The socket head screws are zinc coated

**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
	1 = Supply voltage + 2 = Signal NC 3 = Supply voltage 0 VDC 4 = Signal NO Plus switched
	Mating connector

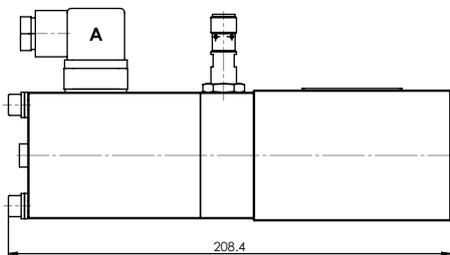
Type:	NPN, NO (Normally open)
Designation:	P2
Article no.:	205.5027
Device receptacle	M12, 4 pole male
	1 = Supply voltage + 2 = Reserved for extensions 3 = Supply voltage 0 VDC 4 = Signal Minus switched
	Mating connector

**Signal characteristics**

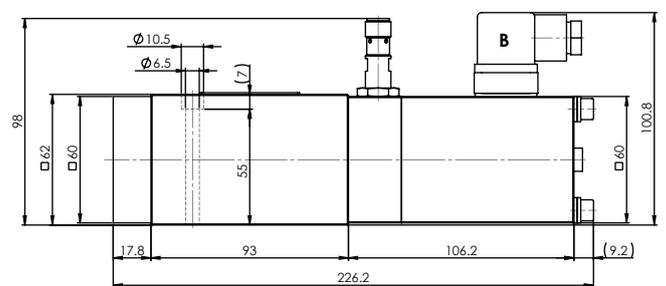
Signal of the actuator	Signal of the sensor	
	NO Normally open	NC Normally closed
A / B	S1	S1
0	0	1
1	1	0

**DIMENSIONS**

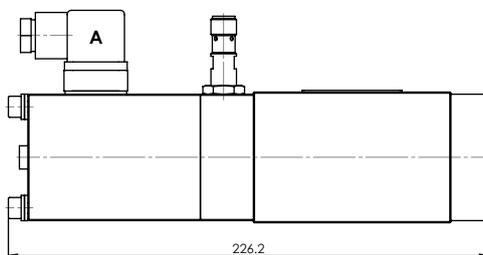
22101 (solenoid on A side)



22100 (solenoid on B side)



32101 (solenoid on A side)



32100 (solenoid on B side)

