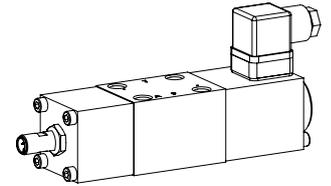


Solenoid operated poppet valve with additional inductive switching position monitoring

NG6
ISO 4401-03


Flange construction

- ◆ 2/2- and 3/2-way
- ◆ normally open and normally closed
- ◆ $Q_{max} = 40 \text{ l/min}$
- ◆ $p_{max} = 350 \text{ bar}$

DESCRIPTION

Solenoid operated poppet valve according to data sheet 1.11-2140 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

International standard interface ISO

 Solenoid, Medium
 Solenoid, Super

M
S

 2 way (connections)
 3 way (connections)

2
3

2 switching positions

Nominal size 6

 Normally closed
 Normally open

 Solenoid on A-side
 Solenoid on B-side

a
0b

Other type designation according to type code data sheet 1.11-2140

 Polarity /Signal output/Monitoring
 PNP / NO / Single
 PNP / NC / Single
 NPN / NO / Single

Z003
Z482
Z680

Design index (subject to change)

1.11-2142

GENERAL SPECIFICATIONS

Weight 2,25 kg

Sensor Specifications:

Nominal voltage	24 VDC
Operating voltage	10...30 VDC
Signal current	max. 200 mA
Switching frequency	2000 Hz
Protection class	IP 68
	According to the connection type, the protection class of the valve can be lower, see data sheet 1.11-2140
Dimensions	M12 x 1
Ambient temperature	-25...50 °C
Fastening torque	15 Nm
Peak pressure	500 bar

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 coated
- ◆ The socket head screws are zinc coated

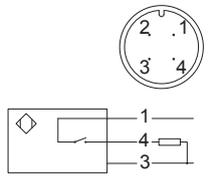
Note!

Other specifications see data sheet 1.11-2140



ELECTRICAL CONNECTION

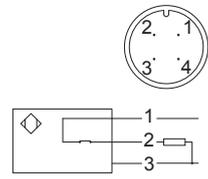
Type:	PNP, NO (Normally open)
Designation:	Z603
Article no.:	205.5024
Device receptacle	M12, 4 pole male
Mating connector	M12, 4 pole female



1 = Supply voltage +
 2 = Reserved for extensions
 3 = Supply voltage 0 VDC
 4 = Signal
 Plus switched

Mating connector not included in delivery

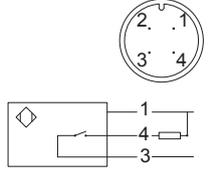
Type:	PNP, NC (Normally closed)
Designation:	Z482
Article no.:	205.5023
Device receptacle	M12, 4 pole male
Mating connector	M12, 4 pole female



1 = Supply voltage +
 2 = Signal
 3 = Supply voltage 0 VDC
 4 = Reserved for extensions
 Plus switched

Mating connector not included in delivery

Type:	NPN, NO (Normally open)
Designation:	Z680
Article no.:	205.5026
Device receptacle	M12, 4 pole male
Mating connector	M12, 4 pole female



1 = Supply voltage +
 2 = Reserved for extensions
 3 = Supply voltage 0 VDC
 4 = Signal
 Minus switched

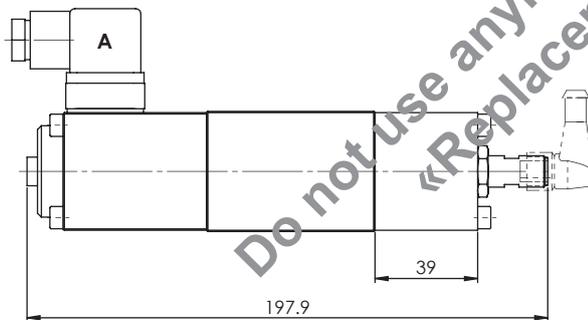
Mating connector not included in delivery

Signal characteristics

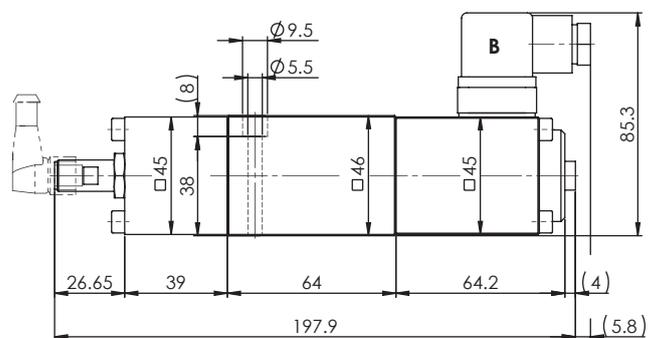
Signal of the actuator	Signal of the sensor	
	NO Normally open	NC Normally closed
B	S1	S1
0	0	1
1	1	0

DIMENSIONS

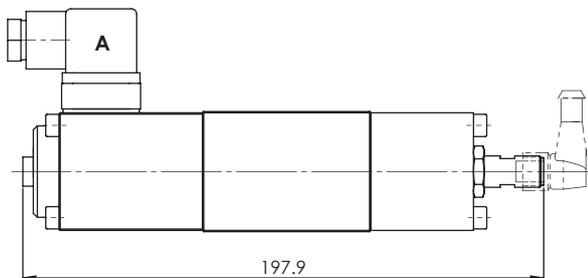
22061 (solenoid on A side)



22060 (solenoid on B side)



32061 (solenoid on A side)



32060 (solenoid on B side)

