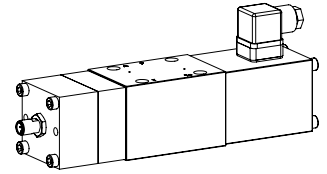


## Solenoid operated poppet valve with additional inductive switching position monitoring

**NG10**  
 ISO 4401-05

### Flange construction

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

 Z603

PNP / NC / Single

 Z482

NPN / NO / Single

 Z680

Design index (subject to change)

1.11-2162

## GENERAL SPECIFICATIONS

Weight

5,30 kg (22101)

5,95kg (22100; 3210.)

### 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 1.11-2160

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 1.11-2160

**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
	
	
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
	
	
Mating connector not included in delivery	

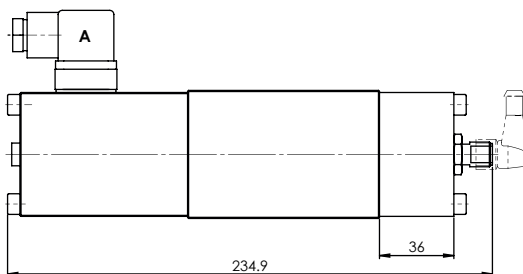
Type:	NPN, NO (Normally open)
Designation:	Z680
Article no.:	205.5026
Device receptacle	M12, 4 pole male
Mating connector	M12, 4 pole female
	
	
Mating connector not included in delivery	

**Signal characteristics**

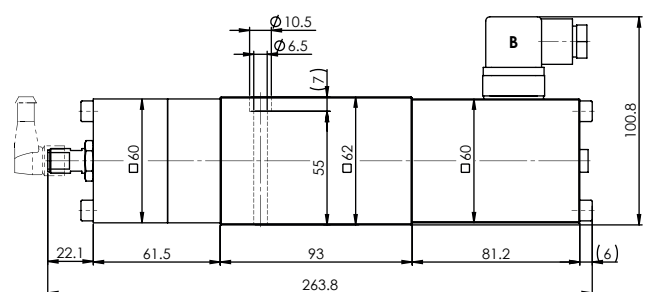
Signal of the actuator	Signal of the sensor	
	NO Normally open	NC Normally closed
A / B	S1	S1
0	0	1
1	1	0

**DIMENSIONS**

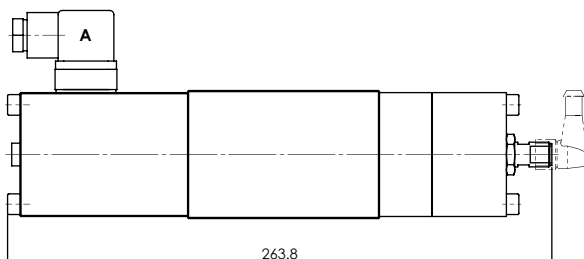
22101 (solenoid on A side)



22100 (solenoid on B side)



32101 (solenoid on A side)



32100 (solenoid on B side)

