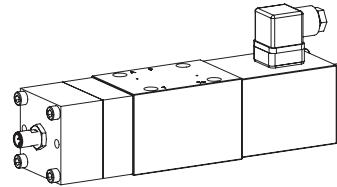


**Solenoid operated poppet valve  
with switching position monitoring**

- 2/2, 3/2-way execution
- $Q_{\max} = 80 \text{ l/min}$
- $p_{\max} = 350 \text{ bar}$

**NG10**  
 ISO 4401-05

**DESCRIPTION**

Solenoid poppet valve according to data sheet 1.11-2160 with additional inductive switching position monitoring.

**FUNCTION**

The contactless sensor transmits the poppet position to a step signal.

- PNP: Positive switching from Plus to Minus.  
The load is connected fixed to Minus.
- NPN: Negative switching from Minus to Plus.  
The load is connected fixed to Plus.
- NO: Normally open „Closing“
- NC: Normally closed „Opening“

**APPLICATION**

Use with poppet valves with one actuator for monitoring the switching position.

**TYPE CODE**

2/2 or 3/2-way execution

 A   2 10  -   # 

International standard interface ISO

 Medium solenoid   
 Super solenoid 

 2-way (Connections)   
 3-way (Connections) 

2 switching positions

Nominal size 10

 Normally closed Solenoid on A side   
 Normally open Solenoid on B side 

Other type designation according to type code data sheet 1.11-2160

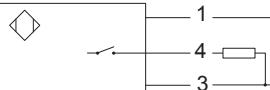
 Polarity / Signal output / Monitoring  
 PNP / NO / Single   
 PNP / NC / Single   
 NPN / NO / Single 

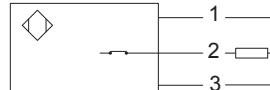
Design-Index (Subject to change)

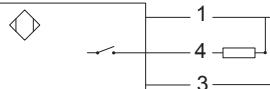
Example: AS32100b-G24-Z603

**SENSOR SPECIFICATIONS**

Nominal voltage	24 VDC
Operating voltage	10...30V DC
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	$M_p = 15 \text{ Nm}$
Peak pressure	500 bar

<b>PNP, NO</b>	
Device receptacle Mating connector 	M12, 4-poles male M12, 4-poles female 1 = Supply voltage + 3 = Supply voltage 0 VDC 4 = Signal 
Mating connector not incl. in delivery	

<b>PNP, NC</b>	
Device receptacle Mating connector 	M12, 4-poles male M12, 4-poles female 1 = Supply voltage + 2 = Signal 3 = Supply voltage 0 VDC 
Mating connector not incl. in delivery	

<b>NPN, NO</b>	
Device receptacle Mating connector 	M12, 4-poles male M12, 4-poles female 1 = Supply voltage + 3 = Supply voltage 0 VDC 4 = Signal 
Mating connector not incl. in delivery	

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

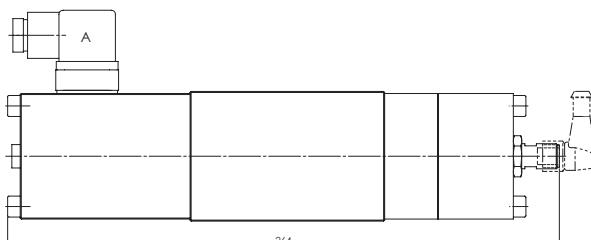
#### ACCESSORIES

Mating connector (plug female, confectionable)

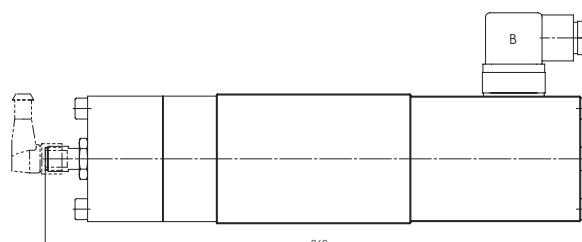
- straight, screw terminal article no. 219.2978
- angled, screw terminal article no. 219.3003

#### DIMENSIONS

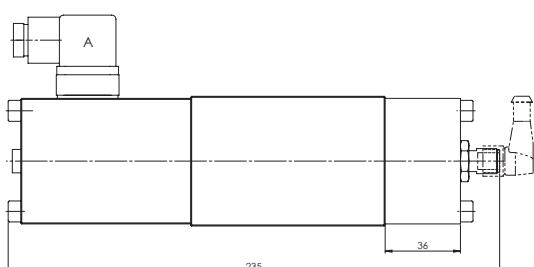
...32101 (solenoid on A side)



...32100 (solenoid on B side)



...22101 (solenoid on A side)



...22100 (solenoid on B side)

