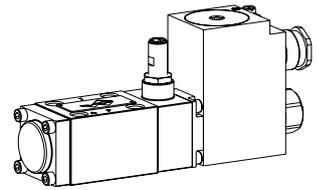


Solenoid operated poppet valve with inductive switching position monitoring

- ◆ 2/2- or 3/2-way execution
- ◆ $Q_{max} = 40 \text{ l/min}$
- ◆ $p_{max} = 350 \text{ bar}$

NG6
ISO 4401-03
 II 2 G Ex db IIC T6, T4

DESCRIPTION

Solenoid operated poppet valve according to data sheet 1.11-3143 with additional inductive switching position monitoring. The contactless sensor transmits the poppet position to a step signal.

TYPE CODE

International standard interface ISO	A	EXd	<input type="checkbox"/>	2	06	/	<input type="checkbox"/>	-	<input type="checkbox"/>	Z104	#	<input type="checkbox"/>
Explosion proof execution												
2-Wege (Anschlüsse)				<input type="checkbox"/>								
3-Wege (Anschlüsse)				<input type="checkbox"/>								
2 switching positions												
Nominal size 6												
Normally closed	Solenoid on A-side			<input type="checkbox"/>								
Normally open	Solenoid on B-side			<input type="checkbox"/>								
Other type designation according to type code data sheet 1.11-3143												
Namur / monitoring												
Design index (subject to change)												

1.11-3144

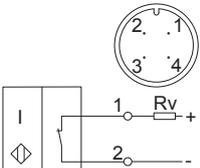
GENERAL SPECIFICATIONS

Designation	2/2-, 3/2-way poppet valve
Construction	Direct operated
Mounting	Flange construction
Nominal size	NG6 according to ISO 4401-03
Actuation	Switching solenoid
Ambient temperature	L9: -25...+40 °C L15: -25...+70 °C
Weight	3,30 kg
MTTFd	150 years

Namur-Sensor Specifications:

Nominal voltage	8,2 VDC
Operating voltage	7,7...9 VDC
Current consumption damped max.	1 mA
Current consumption undamped min.	4 mA
Admissible series resistor R_v	550...1100 Ohm
Switching frequency	1000 Hz
Protection class	IP 68
	According to the connection type, the protection class of the valve can be lower, see data sheet 1.11-3143
Dimensions	M12 x 1
Ambient temperature	-25...70 °C
Fastening torque	15 Nm
Peak pressure	500 bar

ELECTRICAL CONNECTION

Namur	Article no. 205.5011
Device receptacle	M12, 4 pole male
Mating connector	M12, 4 pole female
	1 = Supply voltage + 2 = Signal
	Attention: Do not apply a voltage >9V
Mating connector not incl. in delivery	

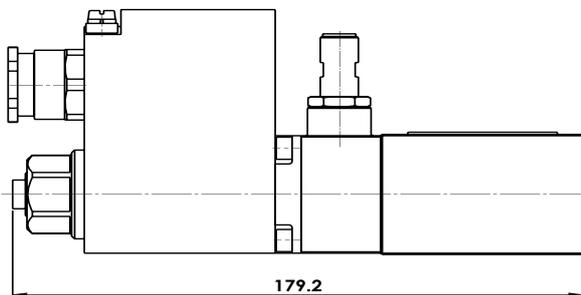
Signal characteristics

Signal of the actuator Signal of the sensor

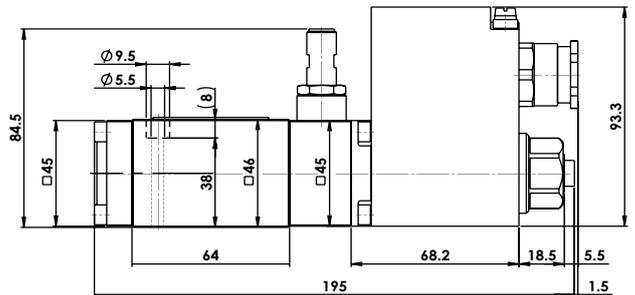
A / B	Namur
0	≥ 4 mA
1	≤ 1 mA

DIMENSIONS

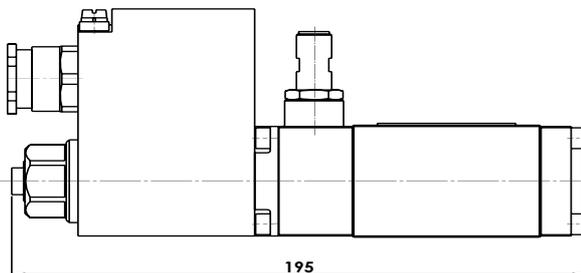
...22061a (solenoid and sensor on A side)



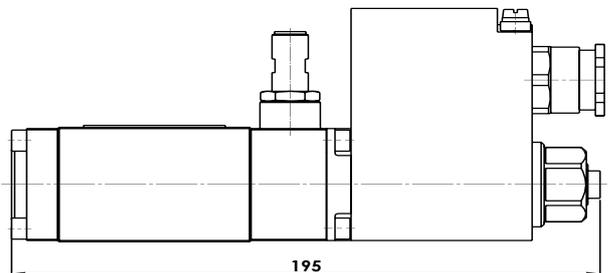
...22060b (solenoid and sensor on B side)



...32061a (solenoid and sensor on A side)



...32060b (solenoid and sensor on B side)


ACCESSORIES

Mating connector (plug female, confectionable)

straight, screw terminal	Article no. 219.2978
angled, screw terminal	Article no. 219.3003

SURFACE TREATMENT

- ◆ The valve body is painted with a two component paint
- ◆ The solenoid coil is zinc-nickel coated
- ◆ All the other parts are zinc coated

INSTALLATION NOTES

Mounting type	Flange mounting 4 fixing holes for socket head screws M5 x 45
Mounting position	Any, preferably horizontal
Tightening torque	Fixing screws $M_D = 5,2 \text{ Nm}$ (screw quality 8.8, zinc coated) $M_D = 5 \text{ Nm}$ knurled nut

Note!


The length of the fixing screw depends on the base material of the connection element.