

09/2022



**⚠** Above stated body materials refer to the valve port connections that get in contact with the media only!

**details needed for main valve**

- orifice
- port
- function NC/NO
- operating pressure/Δp
- flow rate
- media
- media temperature
- ambient temperature
- type of actuation

**details needed for pneumatic actuation**

- nominal voltage
- type of protection
- actuation pressure range min/max
- pilot valve type

**⚠** The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

**⚠** If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application. To avoid hydraulic shocks in pipelines, the flow velocities must be taken into account when designing valves for liquids.

■ specifications not highlighted are standard  
 ■ specifications highlighted in grey are optional

**2/2-way valve**

**pressure range**  
**orifice**  
**connection**  
**function**

**operating principle**

**body material**

**valve seat**

**seal materials**

**ports**

**function**  
**pressure range**

**Kv value**  
**vacuum**  
**pressure-vacuum**

**back pressure**  
**media**

**abrasive media**  
**damping**

**flow direction**  
**switching cycles**  
**switching time**

**media temperature**  
**ambient temperature**  
**flush ports**  
**leak ports**  
**limit switches**  
**manual override**  
**approvals**  
**mounting**  
**weight**  
**additional equipment**

**nominal voltage**

**power consumption**

**protection**  
**energized duty rating**  
**connection**  
**optional additional equipment**  
**max. temperature**

**explosion proof**

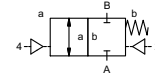
**actuation pressure range**  
**air consumption**  
**cycle speed**  
**control**  
**pilot valve interface**  
**actuator ports**

**actuation pressure range**  
**control**  
**actuator ports**  
**by media**

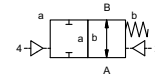
**externally controlled**

PN 0-250 bar  
 DN 10 mm  
 thread

valve normally closed  
 symbol **NC**



valve normally open  
 symbol **NO**



pressure balanced, with spring return

- ① brass
- ②
- ③
- ④
- ⑤
- ⑥ stainless steel

synthetic materials on metal

NBR PTFE, FPM, CR, EPDM

**general specifications**

PCD	threads G 3/8	<b>options</b>
	NC	NO
bar	0-250	
m³/h	1.5	
leak rate		
P <sub>1</sub> ⇌ P <sub>2</sub>		
P <sub>2</sub> > P <sub>1</sub>		
	gaseous - liquid	
opening		
closing		
A ⇌ B	as marked	
1/min	130	
ms	opening 30-3000	
	closing 30-3000	
°C	direct mounted pilot valve 60	remote mounted pilot valve outside
°C	direct mounted pilot valve 50	temperatur range of media max. 150 °C
		inductive
	via pilot valve	
kg	3.5	

**electrical specifications**

U <sub>n</sub>	DC 24 V	<b>options</b>
U <sub>n</sub>	AC 230 V 50 Hz	special voltage upon request
DC	4.8 W	special voltage upon request
AC	pick up 11.0 VA holding 8.5 VA	2.5 W [actuation pressure range 4-7 bar]
IP65 (P54)	acc. DIN 40050	
ED	100%	
	plug acc. DIN EN 175301-803 form B, 2 positions x180° / wire diameter 6-8 mm	
M12x1	connector acc. DESINA	connector acc. VDMA
	illuminated plug with varistor	
media	60°C	
ambient	50°C	
E Ex e II T5	nominal voltage U <sub>n</sub>	DC 24 V 3.25 W
	power consumption	AC 230 V 50 Hz 2.90 W

**pneumatic specifications**

bar	4-8	<b>options</b>
cm³/stroke	7	
	main valve speed variable by throttleson pilot valve	
	preferably 5/2 way pilot valve	
2/4	G 1/8	

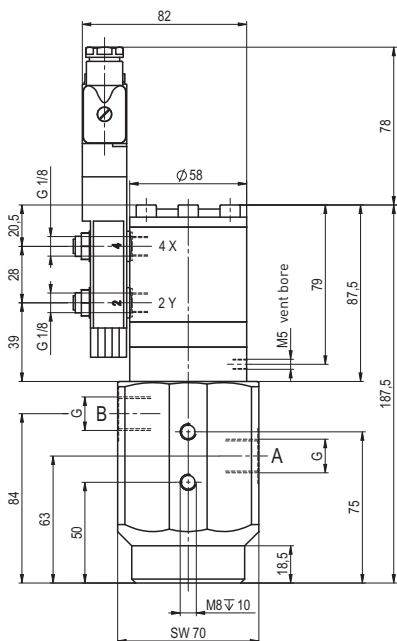
**hydraulic specifications**

		<b>options</b>

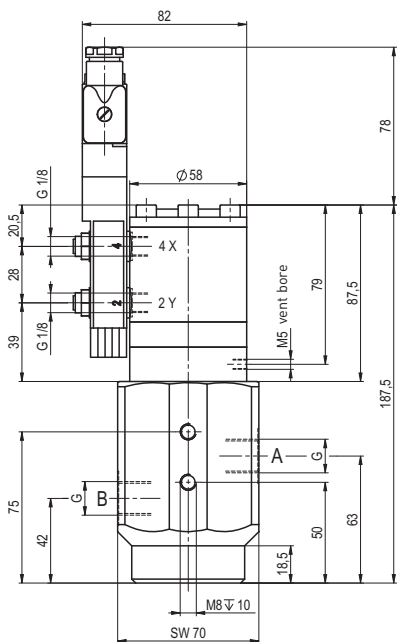
# coax® data sheet - lateral valve

type PCD 10

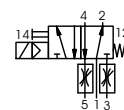
function: **NC**  
closed when not energized



function: **NO**  
open when not energized



## pneumatic specifications



5/2 way pilot valve  
flow rate 350 l/min  
pressure range 3-10 bar G 1/8