

08/2021



**⚠** 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
- inlet pressure at A, B or C
- 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.

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

**3/2 way valve**

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

**design**

**body materials**

**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**

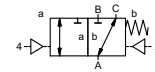
**actuation pressure range**  
**air consumption**  
**cycle speed**  
**control**  
**pilot valve interface**  
**actuator ports**

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

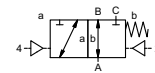
**externally controlled**

PN 0-250 bar  
 DN 10 mm  
 thread

valve normally closed (A ► B)  
 symbol **NC**



valve normally open (A ► B)  
 symbol **NO**



pressure balanced, with spring return, intersecting switch-over

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

synthetic resin 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		
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>	special voltage upon request
U <sub>n</sub>	AC 230 V 50 Hz		special voltage upon request
DC	4,8 W		2,5 W [actuation pressure range 4-7 bar]
AC	pick up 11,0 VA holding 8,5 VA		
IP65 (P54)	acc. DIN 40050		
ED	100%		
	plug acc. DIN EN 175301-803 form B, 4 positions x90° / 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	4-10	<b>options</b>
cm³/stroke	7	
	main valve speed variable by throttle on pilot valve	
	preferably 5/2 way pilot valve	
2/4	G 1/8	

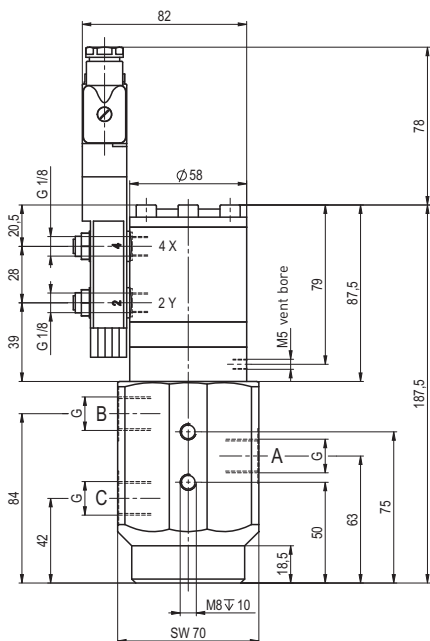
**hydraulic specifications**

		<b>options</b>

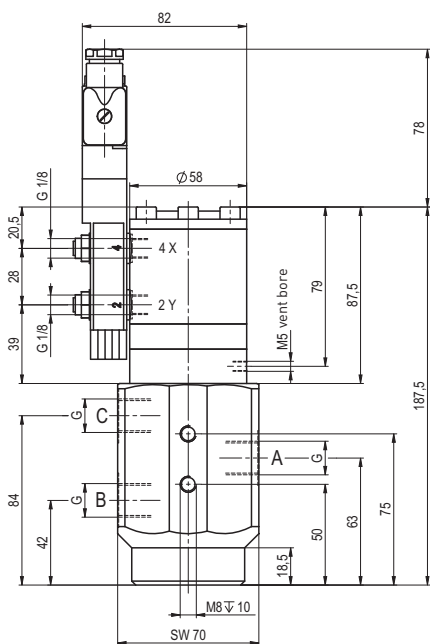
# coax® data sheet - lateral valve

type PCD 10 DR

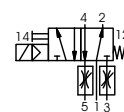
function: **NC**  
closed when not energized (A ► B)



function: **NO**  
open when not energized (A ► B)



## pneumatic specifications



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