

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

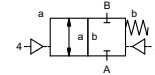
actuation pressure range
air consumption
cycle speed
control
pilot valve interface
actuator ports

actuation pressure range
control
actuator ports
by media

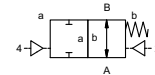
externally controlled

PN 0-500 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-H	threads G 3/8	options
	NC	NO
bar	0-500	
m³/h	1.5	
leak rate		
P ₁ ⇄ P ₂		
P ₂ > P ₁		
	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	9.0	

electrical specifications

U _n	DC 24 V	options	special voltage upon request
U _n	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, 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 _n	DC 24 V	3.25 W
	power consumption	AC 230 V 50 Hz	2.90 W

pneumatic specifications

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

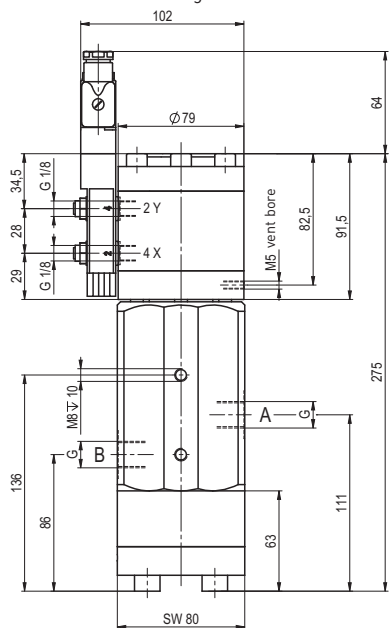
hydraulic specifications

		options

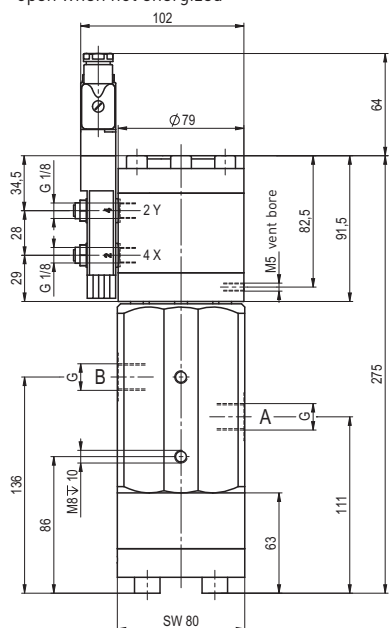
coax® data sheet - lateral valve

type PCD-H 10

function: **NC**
closed when not energized



function: **NO**
open when not energized



pneumatic specifications

