

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
- 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. 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

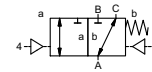
3/2 way valve

pressure range
orifice
connection
function

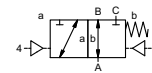
externally controlled

PN 0-500 bar
 DN 10 mm
 thread

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



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



operating principle

pressure balanced, with spring return, intersecting switch-over

body material

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

valve seat

synthetic materials on metal

seal materials

NBR PTFE, FPM, CR, EPDM

ports

PCD-H threads G 3/8

function

NC NO

pressure range

0-500

Kv value

m³/h 1.5

vacuum

leak rate

pressure-vacuum

P₁ ↔ P₂

back pressure

P₂ > P₁

media

gaseous - liquid

abrasive media

opening

damping

closing

flow direction

1/min 130

switching cycles

ms opening 30-3000

switching time

closing 30-3000

media temperature

°C direct mounted pilot valve 60 remote mounted pilot valve outside

ambient temperature

°C direct mounted pilot valve 50 temperatur range of media max. 150 °C

flush ports

leak ports

limit switches

inductive

manual override

via pilot valve

approvals

mounting

weight

kg 9.0

additional equipment

electrical specifications

		options
U _n	DC 24 V	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

		options
bar	4-8	
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

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

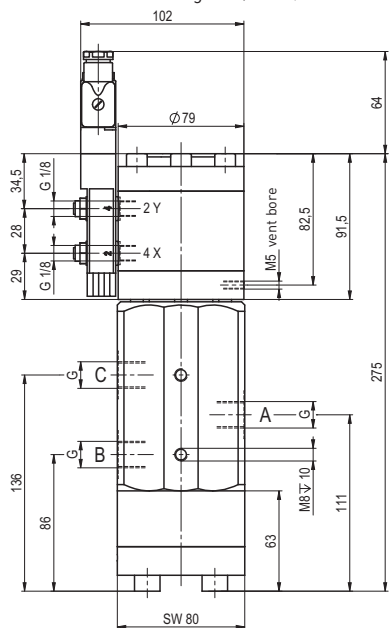
actuator ports

by media

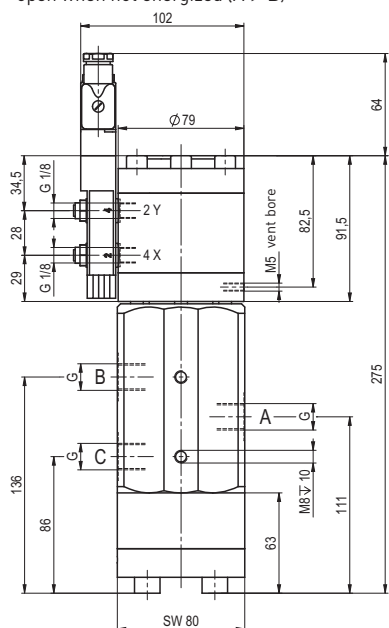
coax® data sheet - lateral valve

type PCD-H 10 DR

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



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



pneumatic specifications

