

lateral valve

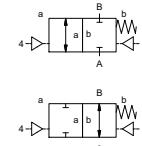
type PCD 10

5-PCD 10

valve type with pilot valve



2/2 way valve	externally controlled
pressure range	PN 0-250 bar
orifice	DN 10 mm
connection	thread
function	valve
	normally closed
	symbol NC
	valve
	normally open
	symbol NO



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

design pressure balanced, with spring return

body materials	① brass	③
	③	⑤
	④	⑥ stainless steel

valve seat	synthetic resin on metal
seal materials	NBR PTFE, FPM, CR, EPDM

general specifications

options

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
- low wattage coil, actuation pressure range 4-7 bar
- pilot valve type

ports	PCD	threads G 3/8
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function	NC	NO
pressure range	bar	0-250

K _v value	m ³ /h	1,5
vacuum	leak rate	
pressure-vacuum	P ₁ ↔ P ₂	

back pressure	P ₂ > P ₁
media	gaseous - liquid

abrasive media	opening
damping	closing

flow direction	A → B	see pressure range
switching cycles	1/min	130

switching time	ms	opening 30-3000 closing 30-3000
media temperature	°C	direct mounted pilot valve 60
ambient temperature	°C	remote mounted pilot valve outside temperature range of media max. 150 °C

flush ports	leak ports
limit switches	

manual override	inductive
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approvals	
mounting	

weight	kg	3,5
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additional equipment

electrical specifications

options

nominal voltage	U _n	DC 24 V	special voltage upon request
	U _n	AC 230 V 50 Hz	special voltage upon request

power consumption	DC	4,8 W	2,5 W
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protection	AC	pick up 11,0 VA holding 8,5 VA
energized duty rating	IP65 (P54)	acc. DIN 40050

connection	ED	100%
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optional	plug acc. DIN EN 175301-803 form B, 4 positions x90° / wire diameter 6-8 mm
additional equipment	connector acc. DESINA connector acc. VDMA

max. temperature	illuminated plug with varistor
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media	60°C
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ambient	50°C
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explosion proof	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

actuation pressure range	bar	4-10
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air consumption	cm ³ /stroke	7
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cycle speed		main valve speed variable by throttleson pilot valve
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control		preferably 5/2 way pilot valve
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pilot valve interface	2/4	G 1/8
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hydraulic specifications

options

actuation pressure range	
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control	
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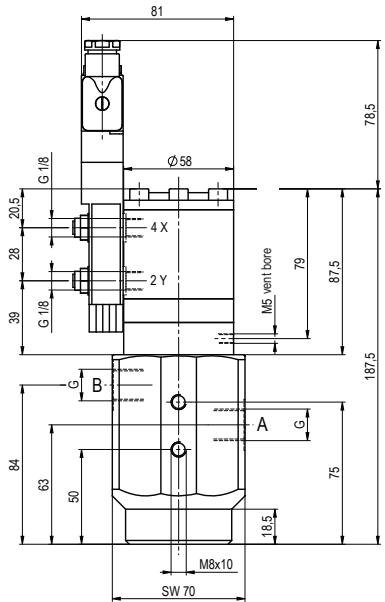
actuator ports	
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by media	
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■ specifications not highlighted are standard
specifications highlighted in grey are optional

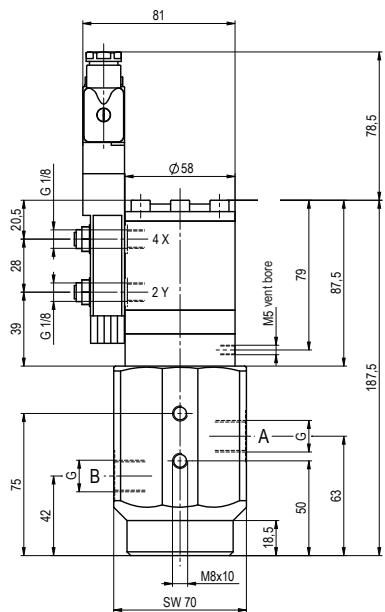
type PCD 10

function: **NC**
closed when not energized



type PCD 10

function: **NO**
open when not energized



pneumatic actuation

