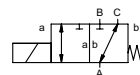


lateral valve

type DRV 20



3/2 way valve direct acting
pressure range low vacuum
orifice DN 20 mm
connection thread
function valve normally closed (A ► B)
 symbol **NC**



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

design pressure balanced, with spring return, switching overlap
body materials ① aluminium

valve seat synthetic resin on metal
seal materials NBR, CR

details needed

- orifice
- port
- function NC
- operating pressure
- inlet pressure at A, B or C
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage

general specifications

options

ports	DRV	threads G 3/4	
function		NC	
pressure range	bar	vacuum max. 98%	
		A ⇌ B Δp max.2 / B ⇌ A Δp max.2 / A ⇌ C Δp max.2 / C ⇌ A Δp max.2	
Kv value	m³/h	9,1	
vacuum	leak rate	< 10 ⁻⁶ mbar•l•s ⁻¹	
pressure-vacuum	P ₁ ⇌ P ₂	pressure side max. 1bar, vacuum side leak rate <10 ⁻⁶ mbar•l•s ⁻¹	
back pressure	P ₂ > P ₁		
media		gaseous	
abrasive media			
damping	opening		
	closing		
flow direction		see pressure range	
switching cycles	1/min	70	
switching time	ms	opening 160 closing 100	
media temperature	°C	DC: -10 to +80 AC: -10 to +80	
ambient temperature	°C	DC: -10 to +80 AC: -10 to +80	
limit switches			
manual override			
approvals			
mounting		mounting holes	
weight	kg	5,6	
additional equipment			upon request

electrical specifications

options

nominal voltage	U _n	DC 24 V	special voltage upon request
	U _n	AC 230 V 40-60 Hz	special voltage upon request
actuation	DC	direct-current magnet	
	AC	direct-current magnet with integrated rectifier	
insulating rating	H	180°C	
protection	IP65		
energized duty rating	ED	100%	
connection		plug acc. DIN EN 175301-803 form A, 4 positions x90° / wire diameter 6-8 mm	
optional			illuminated plug with varistor
additional equipment	N-coil	DC 24 V 1,70 A AC 230 V 40-60 Hz 0,16 A	
current consumption			
explosion proof			
limit switches			

⚠ 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

