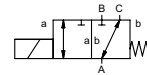


lateral valve

type DRV 12



3/2 way valve direct acting
pressure range low vacuum
orifice DN 12 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 1/2
function	NC	
pressure range	bar	vacuum max. 98%
	A ⇌ B Δp max.1 / B ⇌ A Δp max.1 / A ⇌ C Δp max.1 / C ⇌ A Δp max.1	
Kv value	m³/h	2,7 / volume flow 11,0
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	300
switching time	ms	opening 40 closing 25
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	1,0
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 1,33 A	
current consumption		AC 230 V 40-60 Hz 0,17 A	
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

Type **DRV 12**

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

