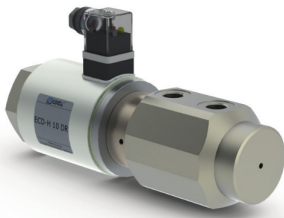


Coax-3/2-way-lateral valve series CVTDH3-10



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

details needed

- ☐ orifice
- ☐ port
- ☐ function NC/NO
- ☐ operating pressure
- ☐ inlet pressure at A, B or C
- ☐ flow rate
- ☐ media
- ☐ media temperature
- ☐ ambient temperature
- ☐ nominal voltage

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

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

limit switches
manual override
approvals
mounting
weight
additional equipment

nominal voltage

actuation

insulating rating
protection
energized duty rating
connection

optional
additional equipment
current consumption

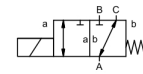
explosion proof

limit switches

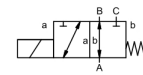
direct acting

PN 0-150 bar
DN 10 mm
thread

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



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



pressure balanced, with spring return, intersecting switch-over

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

synthetic materials on metal

NBR PTFE, FPM, CR, EPDM

general specifications

options

ECD-H threads G 3/8

NC NO

bar 0-150

m³/h 1.5

leak rate < 10⁻⁶ mbar•l•s⁻¹

P₁ ↔ P₂

P₂ > P₁

gaseous - liquid

opening

closing

1/min 100
ms opening 250
closing 100

°C DC: -20 to +100 -20 to +160

°C AC: -20 to +100 -20 to +160

°C DC: -20 to +60

°C AC: -20 to +60

inductive

kg 6.0

electrical specifications

options

U_n DC 24 V +5%/-10% special voltage upon request

U_n AC 230 V +5%/-10% 40-60 Hz special voltage upon request

DC direct-current magnet

AC direct-current magnet with integrated rectifier above 100 °C with separate rectifier

H 180°C

IP65

ED 100%

plug acc. DIN EN 175301-803 form A, 4 terminal box M16x1,5
positions x90° / wire diameter 6-8 mm

illuminated plug with varistor

DC 24 V 2.64 A

AC 230 V 40-60 Hz 0.30 A

terminal box M16x1,5

Ⓜ II 3G Ex ec IIC T3 Ta -20...+80°C Gc

Ⓜ II 3D Ex tc IIC T195°C Ta -20...+80°C Dc

Ⓜ II 3G Ex h IIC T3 Gc

Ⓜ II 3D Ex h IIC T195°C Dc

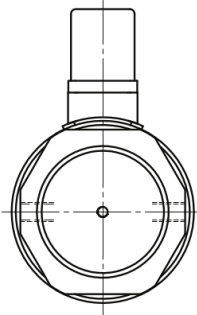
inductive [I]

inductive [B]

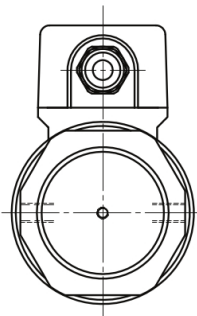
normally open-PNP

normally open-PNP

closed when not energized (A ► B)



open when not energized (A ► B)



all designs, configurations, measurements and materials are subject to change without prior notice