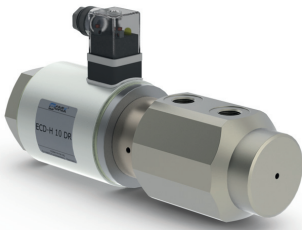


08/2022



⚠ 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

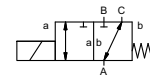
3/2 way valve

pressure range
orifice
connection
function

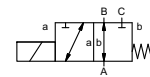
direct acting

PN 0-150 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

ECD-H threads G 3/8

function

NC NO

pressure range

0-150

Kv value

m³/h 1.5

vacuum

leak rate < 10⁻⁶ mbar•L•s⁻¹

pressure-vacuum

P₁ ↔ P₂

back pressure

P₂ > P₁

media

gaseous - liquid

abrasive media

damping

opening

closing

flow direction

switching cycles

1/min 100

switching time

ms opening 250
 closing 100

media temperature

°C DC: -20 to +100 -20 to +160
 AC: -20 to +100 -20 to +160

ambient temperature

°C DC: -20 to +60
 AC: -20 to +60

limit switches

inductive

manual override

approvals

mounting

weight

kg 6.0

additional equipment

nominal voltage

U_n DC 24 V +5%/-10% special voltage upon request
 AC 230 V +5%/-10% 40-60 Hz special voltage upon request

actuation

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

insulating rating

H 180°C

protection

IP65

energized duty rating

ED 100%

connection

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

optional

illuminated plug with varistor
 DC 24 V 2.64 A
 AC 230 V 40-60 Hz 0.30 A

additional equipment
current consumption

explosion proof

- terminal box M16x1,5
- Ⓜ II 3G Ex ec IIC T3 Ta -20...+80°C Gc
- Ⓜ II 3D Ex tc IIIC T195°C Ta -20...+80°C Dc
- Ⓜ II 3G Ex h IIC T3 Gc
- Ⓜ II 3D Ex h IIIC T195°C Dc

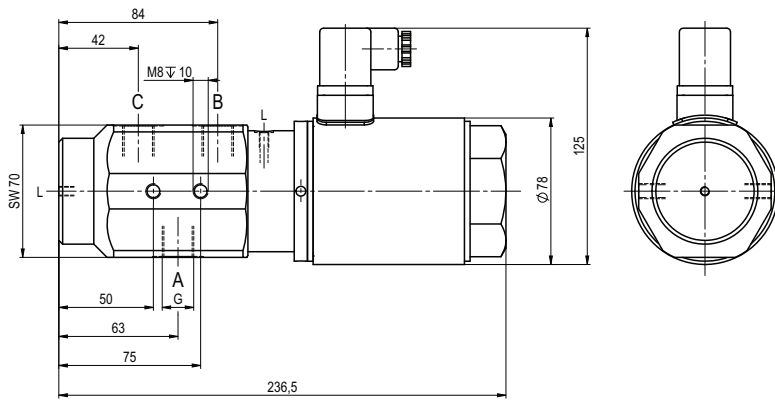
limit switches

- inductive (I) normally open-PNP
- inductive (B) normally open-PNP

coax® data sheet - lateral valve

type ECD-H 10 DR

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



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

