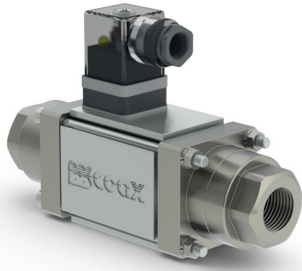


03/2022



⚠ 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
- 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

**2/2-way valve**

**pressure range**

**orifice**

**connection**

**function**

**direct acting**

PN 0-63 / 0-100 bar

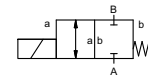
DN 10 / 8 mm

thread

valve

normally closed

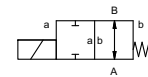
symbol **NC**



valve

normally open

symbol **NO**



**operating principle**

**body material**

pressure balanced, with spring return

① brass

②

③

⑤

④

⑥ stainless steel

⑦ aluminium

**valve seat**

synthetic materials on metal

**seal materials**

NBR

PTFE, FPM, EPDM

**ports**

MK threads G 1/4 - G 3/4

**options**

special threads

**function**

NC

NO

**pressure range**

0-63 | 0-100

**Kv value**

m³/h 2,3 | 1,6

**vacuum**

leak rate

< 10<sup>-6</sup> mbar•L•s<sup>-1</sup>

**pressure-vacuum**

P<sub>1</sub> ↔ P<sub>2</sub>

upon request

**back pressure**

P<sub>2</sub> > P<sub>1</sub>

upon request

**media**

gaseous - liquid - contaminated

**abrasive media**

**damping**

opening

closing

A ↔ B as marked

bi-directional upon request

**flow direction**

**switching cycles**

**switching time**

1/min 200

ms

opening 135

closing 20

**media temperature**

°C

DC: -10 to +100

-30 to +120

AC: -10 to +100

-30 to +120

**ambient temperature**

°C

DC: -10 to +80

AC: -10 to +80

upon request

**limit switches**

**manual override**

**approvals**

**options**

special voltage upon request

special voltage upon request

**mounting**

**weight**

**additional equipment**

kg

MK 2,2

upon request

LR/DNV/WAZ  
 mounting brackets

**insulating rating**

**protection**

**energized duty rating**

**connection**

H

180°C

IP65

ED

100%

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

terminal box M16x1,5

**optional**

**additional equipment**

**current consumption**

M12x1

connector acc. DESINA

connector acc. VDMA

illuminated plug with varistor

N-coil

DC 24 V 1,33 A

AC 230 V 40-60 Hz 0,14 A

**explosion proof**

terminal box M16x1,5

Ⓜ II 3G Ex nA 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

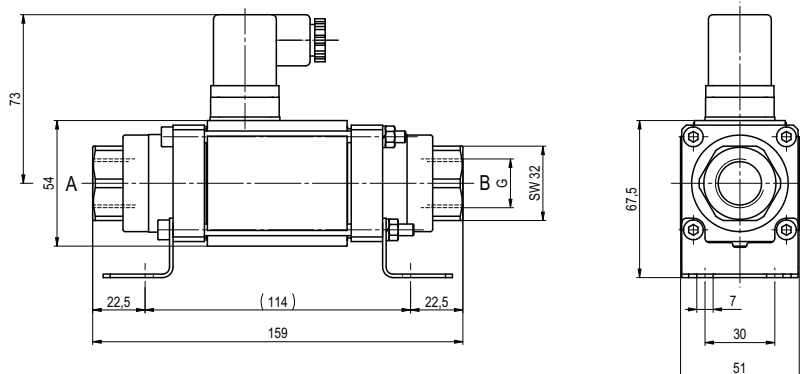
Ⓜ II 3D Ex h IIIC T195°C Dc

**limit switches**

# coax® data sheet - coaxial valve

type MK 10 63/100 bar

function: **NC**  
closed when not energized



function: **NO**  
open when not energized

