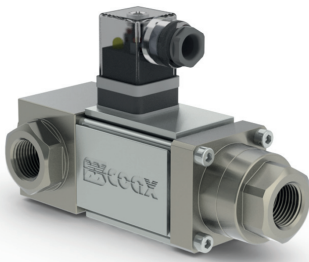


03/2022



⚠ 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
- 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 0-40 / 0-100 bar

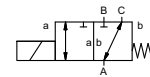
DN 10 / 8 mm

thread

valve

normally closed (A ► B)

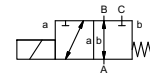
symbol **NC**



valve

normally open (A ► B)

symbol **NO**



operating principle

body material

pressure balanced, with spring return, intersecting switch-over

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

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

0-40 | 0-100

A ⇒ B max. 40|100 / B ⇒ A max. 25|75 / A ⇒ C max. 40|100 / C ⇒ A max. 25|75

Kv value

m³/h 2,2 | 1,4

vacuum

leak rate

< 10⁻⁶ mbar•L•s⁻¹

pressure-vacuum

P₁ ⇔ P₂

upon request

back pressure

P₂ > P₁ see pressure range

media

gaseous - liquid - contaminated

abrasive media

damping

opening

closing

see pressure range

flow direction

switching cycles

switching time

1/min

ms

opening 135

closing 20

media temperature

°C

DC: -10 to +80

-30 to +120

AC: -10 to +80

-30 to +120

ambient temperature

°C

DC: -10 to +80

AC: -10 to +80

limit switches

manual override

approvals

LR/DNV/WAZ

mounting

mounting brackets

weight

kg

MK 2,5

additional equipment

upon request

nominal voltage

U_n

U_n

DC

AC

DC 24 V +5%/-10%

AC 230 V +5%/-10% 40-60 Hz

direct-current magnet

direct-current magnet with integrated rectifier

options

special voltage upon request

special voltage upon request

insulating rating

H

IP65

protection

energized duty rating

ED

100%

connection

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

N-coil

DC 24 V

AC 230 V 40-60 Hz

1,33 A

0,14 A

connector acc. DESINA

illuminated plug with varistor

connector acc. VDMA

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

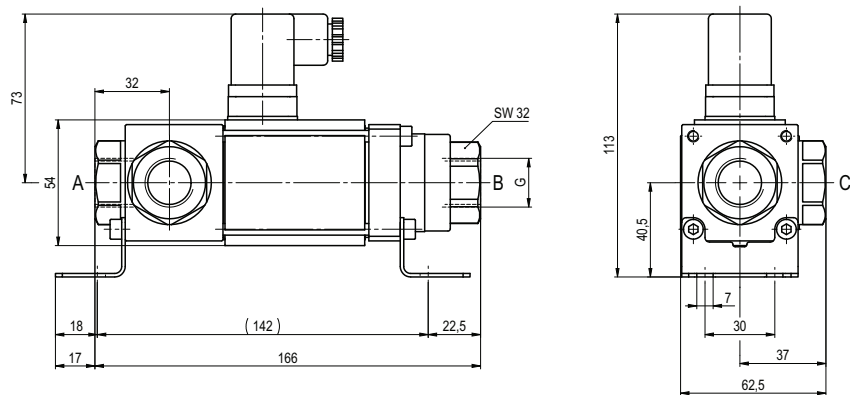
Ⓜ II 3D Ex h IIIC T195°C Dc

limit switches

coax® data sheet - coaxial valve

type MK 10 DR 40/100 bar

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



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

