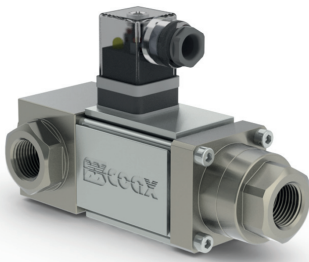


08/2022



⚠ 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 0-40 / 0-100 bar

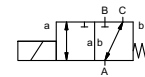
DN 10 / 8 mm

thread

valve

normally closed (A ► B)

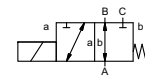
symbol **NC**



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

function

pressure range

Kv value

vacuum

pressure-vacuum

back pressure

media

general specifications

MK	threads G 1/4 - G 3/4	options	special threads
	NC		NO
bar	0-40 0-100		
	A ⇒ B max. 40 100 / B ⇒ A max. 25 75 / A ⇒ C max. 40 100 / C ⇒ A max. 25 75		
m³/h	2.2 1.4		
leak rate			< 10 ⁻⁶ mbar•L•s ⁻¹
P ₁ ⇔ P ₂			upon request
P ₂ > P ₁	see pressure range		
	gaseous - liquid - contaminated		

abrasive media

damping

flow direction

switching cycles

switching time

media temperature

ambient temperature

limit switches

manual override

approvals

mounting

weight

additional equipment

opening	
closing	
	see pressure range
1/min	200
ms	opening 135
	closing 20
°C	DC: -10 to +80
	AC: -10 to +80
°C	DC: -10 to +80
	AC: -10 to +80

LR/DNV/WAZ
 mounting brackets

kg MK 2.5
 upon request

electrical specifications

U _n	DC 24 V +5%/-10%	options	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		

insulating rating

protection

energized duty rating

connection

optional

additional equipment

current consumption

H	180°C
IP65	
ED	100%
	plug acc. DIN EN 175301-803 form A, 4 positions x90° / wire diameter 6-8 mm
M12x1	connector acc. DESINA
	illuminated plug with varistor
N-coil	DC 24 V 1.33 A
	AC 230 V 40-60 Hz 0.14 A

- 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

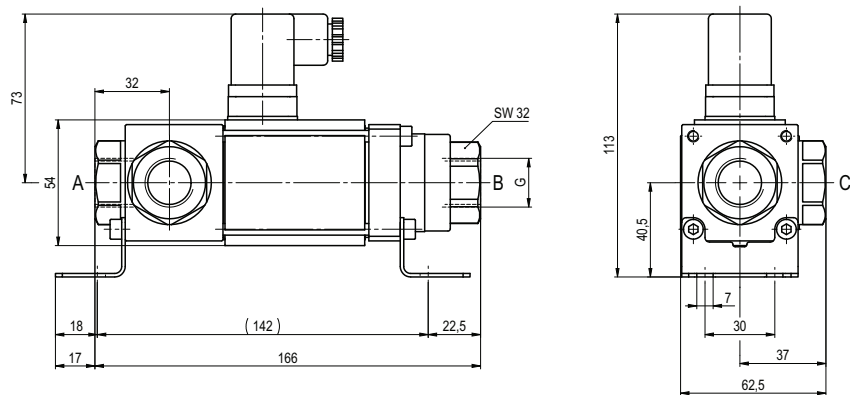
explosion proof

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)

