

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 bar

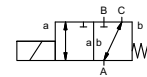
DN 15 mm

thread/flange

valve

normally closed (A ► B)

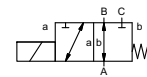
symbol **NC**



valve

normally open (A ► B)

symbol **NO**



**operating principle**

**body material**

pressure balanced, with spring return, intersecting switch-over

① brass

② steel galvanized

③ brass, nickel plated

⑤ without non-ferr. Metals

④ steel, nickel plated

⑥ stainless steel

**valve seat**

synthetic materials on metal

**seal materials**

NBR

PTFE, FPM, CR, EPDM

**ports**

**general specifications**

**options**

MK threads G 3/8 - G 3/4

special threads

FK flanges PN 16 / 40

special flanges

NC

NO

bar 0-16 / 0-40

A ⇒ B max. 40 / B ⇒ A max. 16 / A ⇒ C max. 40 / C ⇒ A max. 40

m<sup>3</sup>/h 4,3

leak rate

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

P<sub>1</sub> ⇔ P<sub>2</sub>

upon request

P<sub>2</sub> > P<sub>1</sub> see pressure range

gaseous - liquid - highly viscous -  
gelatinous - contaminated

upon request

opening

closing

see pressure range

1/min 200

ms

opening 80

closing 80

°C

DC: -20 to +80

-40 to +160

AC: -20 to +80

-40 to +160

°C

DC: -20 to +80

AC: -20 to +80

inductive / mechanical

available

LR/DNV/WAZ

mounting brackets

kg

MK 4,3 FK 5,9

upon request

**electrical specifications**

**options**

U<sub>n</sub> DC 24 V +5%/-10%

special voltage upon request

U<sub>n</sub> 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  
positions x90° / wire diameter 6-8 mm

terminal box M16x1,5

M12x1

connector acc. DESINA

connector acc. VDMA

illuminated plug with varistor

N-coil

DC 24 V 1,67 A

AC 230 V 40-60 Hz 0,15 A

H-coil

DC 24 V 2,29 A

AC 230 V 40-60 Hz 0,24 A

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

inductive (I)

normally open-PNP

inductive (B)

normally open-PNP

mechanical

single pole double throw-SPDT

**insulating rating**

**protection**

**energized duty rating**

**connection**

**optional**

**additional equipment**

**current consumption**

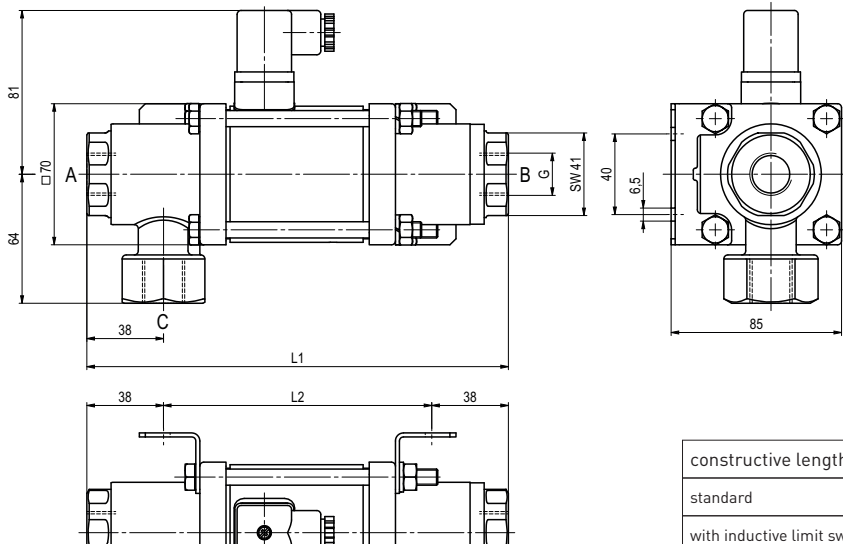
**explosion proof**

**limit switches**

# coax® data sheet - coaxial valve

type MK 15 DR  
FK 15 DR

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



constructive length	L1	L2	L3
standard	209	133	265
with inductive limit switches	249	173	305
with manual override / inductive limit switches	249	173	305
with mechanical limit switches	249	173	305

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	95	65	14
40	EN 1092-2	95	65	14

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

