

type MK 15 DR
FK 15 DR

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.

3/2 way valve

pressure range

orifice

connection

function

direct acting

PN 0-40 bar

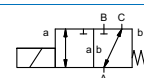
DN 15 mm

thread/flange

valve

normally closed (A ► B)

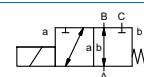
symbol **NC**



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
FK flanges PN 16 / 40
NC
0-16 / 0-40
A ⇒ B max. 40 / B ⇒ A max. 16 / A ⇒ C max. 40 / C ⇒ A max. 40

special threads
special flanges
NO

m³/h 4.3

leak rate < 10⁻⁶ mbar•L•s⁻¹

P₁ ⇔ P₂ upon request

P₂ > P₁ 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_n DC 24 V +5%/-10% 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 above 100 °C with separate rectifier

H 180°C

IP65

ED 100%

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

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 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

inductive (I) normally open-PNP

inductive (B) normally open-PNP

mechanical single pole double throw-SPDT

nominal voltage

actuation

insulating rating

protection

energized duty rating

connection

optional

additional equipment

current consumption

explosion proof

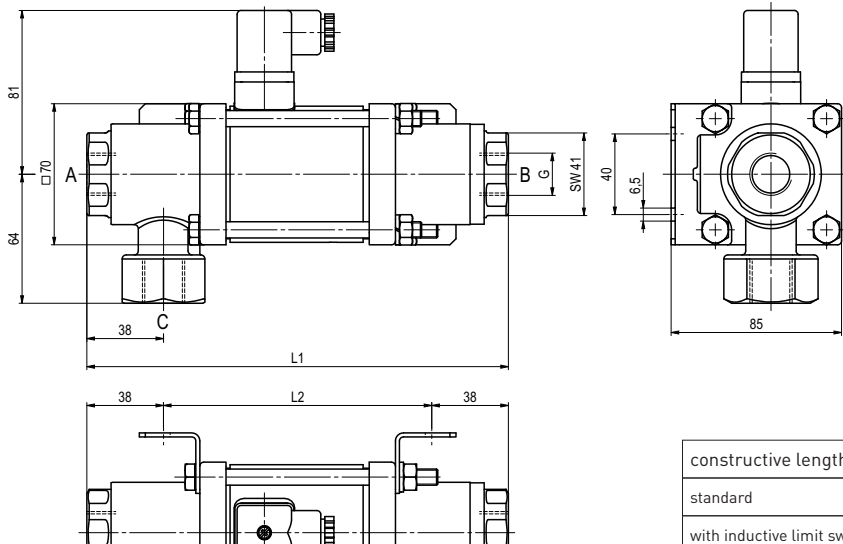
limit switches

■ specifications not highlighted are standard
■ specifications highlighted in grey are optional

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)

