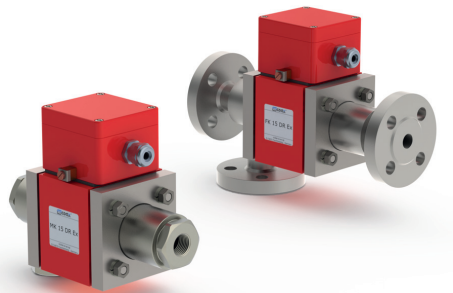


coax® data sheet - coaxial valve

type MK 15 DR Ex
FK 15 DR Ex



07/2022



⚠ 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

operating principle

body material

valve seat

seal materials

ports

function

pressure range

Kv value

vacuum

pressure-vacuum

back pressure

media

abrasive media

damping

flow direction

switching cycles

switching time

media temperature

ambient temperature

limit switches

manual override

approvals

mounting

weight

additional equipment

nominal voltage

actuation

insulating rating

protection

energized duty rating

connection

optional

additional equipment

current consumption

explosion proof

limit switches

direct acting

pressure range

thread/flange

valve

normally closed (A ► B)

symbol **NC**

valve

normally open (A ► B)

symbol **NO**

pressure balanced, with spring return, intersecting switch-over

① brass

③ brass, nickel plated

④ steel, nickel plated

② steel galvanized

⑤ without non-ferr. Metals

⑥ stainless steel

synthetic materials on metal

NBR

PTFE, FPM, CR, EPDM

general specifications

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. 16

m³/h

4.3

leak rate

P₁ ► P₂

P₂ > P₁ see pressure range

gaseous - liquid - highly viscous -

gelatinous - contaminated

opening

closing

see pressure range

1/min

200

ms

opening

80

closing

80

°C

DC: -20 to +40

AC: -20 to +40

°C

DC: -20 to +40

AC: -20 to +40

inductive

LR/DNV/WAZ

mounting brackets

kg

MK 4.3 FK 5.9

upon request

electrical specifications

U_n

DC 24 V +5%/-10%

U_n

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

DC

direct-current magnet

AC

direct-current magnet with separate

rectifier outside of the explosion-proof

area

H

180°C

IP65

ED

100%

M16x1,5

terminal box

inductive NAMUR

circuit amplifier

options

special threads

special flanges

NO

upon request

upon request

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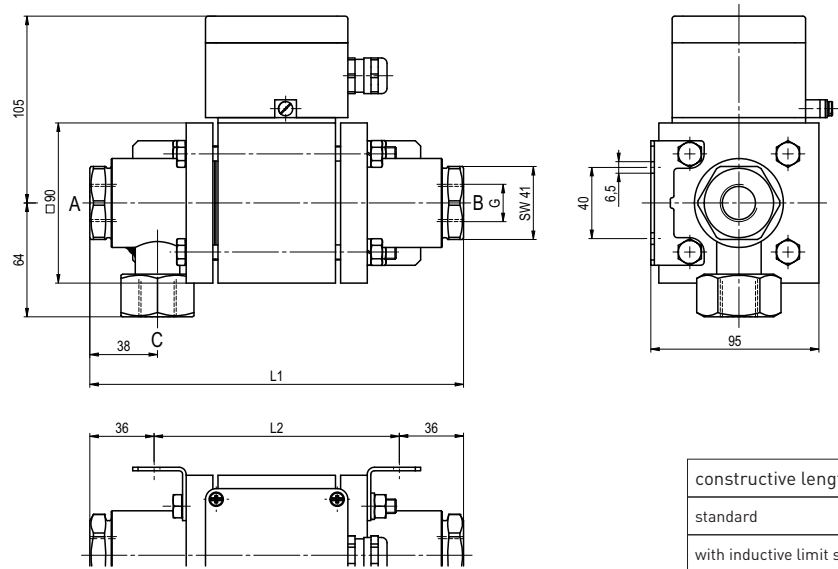
upon request

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

coax® data sheet - coaxial valve

type MK 15 DR Ex
FK 15 DR Ex

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



constructive length	L1	L2	L3
standard	210	138	266
with inductive limit switches	259	187	315

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)

