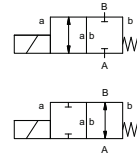


coaxial valve

type **MK 15 Ex** **FK 15 Ex**



2/2 way valve **direct acting**
pressure range PN 0-100 bar
orifice DN 15 mm
connection thread/flange
function valve normally closed symbol **NC**
 valve normally open symbol **NO**



△ Above stated body materials refer to the valve port connections that get in contact with the media only!

design pressure balanced, with spring return
body materials ① brass ② steel, galvanized
 ③ brass, nickel plated ⑤ without non-ferr. metals
 ④ steel, nickel plated ⑥ stainless steel
valve seat synthetic resin on metal
seal materials NBR PTFE, FPM, CR, EPDM

details needed

- orifice
- port
- function NC/NO
- operating pressure
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage

general specifications

options

ports	MK threads G 3/8 - G 3/4	special threads
	FK flanges PN 16 / 40 / 100	special flanges
function	NC	NO
pressure range	bar 0-16 / 0-40 / 0-64 / 0-100	> 100 bar upon request
Kv value	m³/h 4,8	> 16 bar = 2,5
vacuum		< 10 ⁻⁶ mbar*1s ⁻¹
pressure-vacuum	P1 ↔ P2	upon request
back pressure	P2 > P1	available (max. 16 bar)
media	gaseous - liquid - highly viscous - gelatinous - contaminated	
abrasive media		upon request
damping	opening closing	available
flow direction	A ↔ B as marked	bi-directional (max. 16 bar)
switching cycles	1/min 200	
switching time	ms opening 80 closing 80	
media temperature	°C DC: -20 to +40	
	AC: -20 to +40	
ambient temperature	°C DC: -20 to +40	
	AC: -20 to +40	
limit switches		inductive
manual override		available
approvals		LR/GL/WAZ
mounting		mounting brackets
weight	kg MK 3,8 FK 5,0	
additional equipment		upon request

electrical specifications

options

nominal voltage	U _n DC 24 V	special voltage
	U _n AC 230 V 40-60 Hz	special voltage
actuation	DC direct-current magnet	
	AC direct-current magnet with separate rectifier outside of the explosion-proof area	sand sealed rectifier
insulating rating	H 180°C	
protection	IP65	
energized duty rating	ED 100%	
connection	M16x1,5 terminal box	

optional additional equipment

current consumption	U _n V-DC 24 200	48 98 110 220
	I _n A 1,20 0,15	0,60 0,30 0,28 0,14

explosion proof II 2 G EEx me II T4 und II 2 D IP 65 T 130 °C
PTB 02 ATEX 2120 X

limit switches inductive NAMUR circuit amplifier

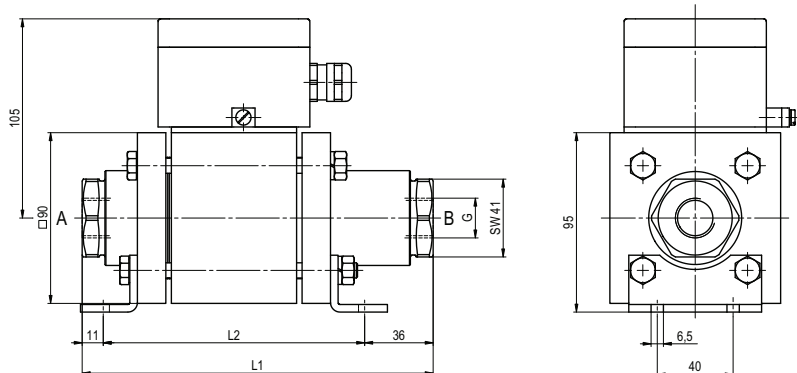
⚠ The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

⚠ 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.

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

type MK 15 Ex

function: **NC**
closed when not energized



constructive length	L1	L2	L3
standard	185	138	242
with 1/2 inductive limit switches	234	187	291
with manual emergency (Hd)/ Hd and 1/2 ind. limit switches	224	177	281

flanges PN	DIN	$\varnothing D$	$\varnothing k$	$\varnothing d$
16	EN 1092-1	95	65	14
40	EN 1092-1	95	65	14
100	EN 1092-1	105	75	14

type FK 15 Ex

function: **NO**
open when not energized

