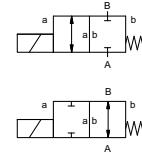


coaxial valve

type **MK 15**
FK 15

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
	⑦ aluminium	

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

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	m ³ /h 4,8	100 bar = 2,5
vacuum	leak rate < 10 ⁻⁶ mbar·l·s ⁻¹	
pressure-vacuum	P ₁ ⇌ P ₂	upon request
back pressure	P ₂ > P ₁	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 +100	-40 to +160
	AC: -20 to +100	-40 to +160
ambient temperature	°C DC: -20 to +80	
	AC: -20 to +80	
limit switches		inductive / mech. (depend on temperature)
manual override		available
approvals		LR/GL/WAZ
mounting		mounting brackets
weight	kg MK 3,8 FK 5,0	
additional equipment		upon request

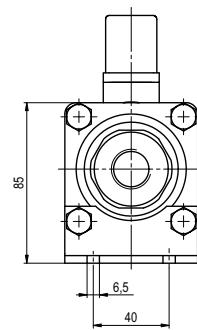
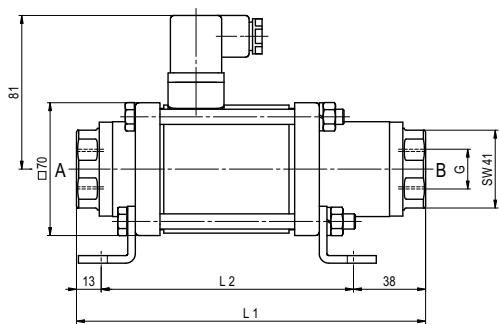
electrical specifications

nominal voltage	U _n DC 24 V	special voltage upon request
	U _n AC 230 V 40-60 Hz	special voltage upon request
actuation	DC direct-current magnet	
	AC direct-current magnet with integrated rectifier	above 100 °C with separate rectifier
insulating rating	H 180°C	
protection	IP65	
energized duty rating	ED 100%	
connection	plug acc. DIN EN 175301-803 form A, 4 positions x90° / wire diameter 6-8 mm	terminal box M16x1,5
optional	M12x1 connector acc. DESINA	connector acc. VDMA
additional equipment	illuminated plug with varistor	
current consumption	N-coil DC 24 V 1,60 A	
	AC 230 V 40-60 Hz 0,15 A	
H-coil	DC 24 V 2,30 A	
	AC 230 V 40-60 Hz 0,24 A	
explosion proof		
limit switches	inductive (I)	normally open-PNP
	inductive (B)	normally open-PNP
	mechanical	single pole double throw-SPDT

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

type MK 15

function: **NC**
closed when not energized



constructive length	L ₁	L ₂	L ₃
standard	184	133	241
with inductive limit switches	224	173	281
with manual override / inductive limit switches	224	173	281
with mechanical limit switches	224	173	281

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	95	65	14
40	EN 1092-1	95	65	14
100	EN 1092-1	105	75	14

type FK 15

function: **NO**
open when not energized

