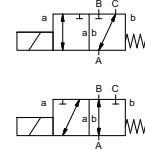


coaxial valve

type MK 15 DR FK 15 DR



3/2 way valve	direct acting
pressure range	PN 0-40 bar
orifice	DN 15 mm
connection	thread/flange
function	valve normally closed (A ▷ B) symbol NC
	valve normally open (A ▷ B) 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, switching overlap
body materials	① brass ③ brass, nickel plated ④ steel, nickel plated
	② steel, galvanized ⑤ without non-ferr. metals ⑥ stainless steel
valve seat seal materials	synthetic resin on metal NBR
	PTFE, FPM, CR, EPDM

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

general specifications		options
ports	MK threads G 3/8 - G 3/4	special threads
	FK flanges PN 16 / 40	special flanges
function	NC	NO
pressure range	bar 0-16 / 0-40	
	A ▷ B max. 40 / B ▷ A max. 16 / A ▷ C max. 40 / C ▷ A max. 40	
Kv value	m³/h 4,3	
vacuum	leak rate < 10 ⁻⁶ mbar·l·s ⁻¹	
pressure-vacuum	P ₁ ⇄ P ₂	upon request
back pressure	P ₂ > P ₁	see pressure range
media		gaseous - liquid - highly viscous - gelatinous - contaminated
abrasive media damping	opening	upon request
	closing	
flow direction		see pressure range
switching cycles	1/min 200	
switching time	ms opening 80 closing 80	
media temperature	°C DC: -20 to +80	40 to +160
	AC: -20 to +80	-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 4,3 FK 5,9	upon request
additional equipment		

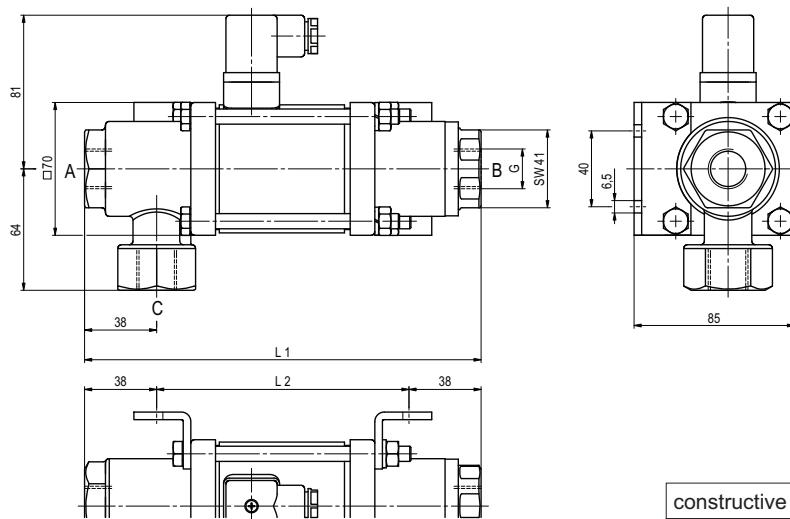
electrical specifications		options
nominal voltage	U _n DC 24 V	special voltage upon request
	U _n AC 230 V 40-60 Hz	special voltage upon request
actuation	DC direct-current magnet	
	AC direct-current magnet with integrated rectifier	above 100 °C with separate rectifier
insulating rating	H 180°C	
protection	IP65	
energized duty rating	ED 100%	
connection	plug acc. DIN EN 175301-803	terminal box M16x1,5
	form A, 4 positions x90° /	
	wire diameter 6-8 mm	
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

 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.

type MK 15 DR

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



constructive length	L ₁	L ₂	L ₃
standard	209	133	265
with 1/2 inductive limit switches	249	173	305
with manual emergency (Hd)/ Hd and 1/2 ind. 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 1092-1	95	65	14

type FK 15 DR

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

