

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

2) steel, galvanized

3 brass, nickel plated 4) steel, nickel plated

(5) without non-ferr. metals 6 stainless steel

valve seat synthetic resin on metal

seal materials NBR

PTFE, FPM, CR, EPDM

details needed

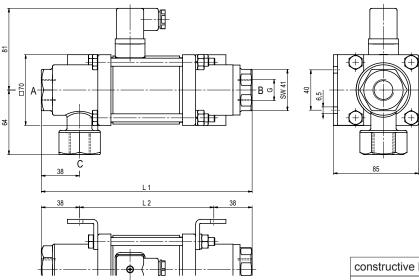
- orifice
- port
- function NC/NO
- operating pressureinlet pressure at A, B or C
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage

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.

	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					
p		$A \Rightarrow B \text{ max. } 40 / B \Rightarrow A \text{ max. } 16 / A \Rightarrow C \text{ max. } 40 / C \Rightarrow A \text{ max. } 40$					
Kv value	m³/h 4.3						
vacuum	leak rate	,-	< 10 ⁻⁶ mbar•l•s ⁻¹				
pressure-vacuum	P₁⇔ P2		upon request				
back pressure	P ₂ > P ₁	see pressure range					
media		gaseous - liquid - highly viscous -					
		gelatinous - contaminated					
abrasive media			upon request				
damping	opening						
uupg	closing						
flow direction	olooling	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				
media temperature	Ü	AC: -20 to +80	-40 to +160				
ambient temperature	°C	DC: -20 to +80	40 10 - 100				
ambient temperature	Ü	AC: -20 to +80					
limit switches		AC20 to 100	inductive / mech. (depend. on temperature				
manual override			available				
approvals			LR/GL/WAZ				
mounting			mounting brackets				
	kg	MK 4,3 FK 5,9	mounting brackets				
		MK 4,3 FK 5,9					
weight	9		upon request				
weight additional equipment	9		upon request				
		cal specifications	upon request options				
		cal specifications DC 24 V	options				
additional equipment	electric	•					
additional equipment	electric	DC 24 V AC 230 V 40-60 Hz	options special voltage upon request				
nominal voltage	electric	DC 24 V	options special voltage upon request				
nominal voltage	electric Un Un DC	DC 24 V AC 230 V 40-60 Hz direct-current magnet	options special voltage upon request special voltage upon request				
nominal voltage	electric Un Un DC AC	DC 24 V AC 230 V 40-60 Hz direct-current magnet direct-current magnet with integrated rectifier	options special voltage upon request special voltage upon request				
nominal voltage actuation insulating rating	electric Un Un DC AC	DC 24 V AC 230 V 40-60 Hz direct-current magnet direct-current magnet	options special voltage upon request special voltage upon request				
nominal voltage actuation insulating rating protection	electric Un Un DC AC	DC 24 V AC 230 V 40-60 Hz direct-current magnet direct-current magnet with integrated rectifier 180°C	options special voltage upon request special voltage upon request				
nominal voltage actuation insulating rating protection energized duty rating	electric Un Un DC AC	DC 24 V AC 230 V 40-60 Hz direct-current magnet direct-current magnet with integrated rectifier 180°C	options special voltage upon request special voltage upon request above 100 °C with separate rectifier				
nominal voltage actuation insulating rating protection	electric Un Un DC AC	DC 24 V AC 230 V 40-60 Hz direct-current magnet direct-current magnet with integrated rectifier 180°C 100% plug acc. DIN EN 175301-803	options special voltage upon request special voltage upon request				
nominal voltage actuation insulating rating protection energized duty rating	electric Un Un DC AC	DC 24 V AC 230 V 40-60 Hz direct-current magnet direct-current magnet with integrated rectifier 180°C 100% plug acc. DIN EN 175301-803 form A, 4 positions x90° /	options special voltage upon request special voltage upon request above 100 °C with separate rectifier				
nominal voltage actuation insulating rating protection energized duty rating connection	electric Un Un DC AC H IP65 ED	DC 24 V AC 230 V 40-60 Hz direct-current magnet direct-current magnet with integrated rectifier 180°C 100% plug acc. DIN EN 175301-803 form A, 4 positions x90° / wire diameter 6-8 mm	options special voltage upon request special voltage upon request above 100 °C with separate rectifier terminal box M16x1,5				
nominal voltage actuation insulating rating protection energized duty rating connection optional	electric Un Un DC AC	DC 24 V AC 230 V 40-60 Hz direct-current magnet direct-current magnet with integrated rectifier 180°C 100% plug acc. DIN EN 175301-803 form A, 4 positions x90° / wire diameter 6-8 mm connector acc. DESINA	options special voltage upon request special voltage upon request above 100 °C with separate rectifier				
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specifications not highlighted are standard specifications highlighted in grey are optional



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)

