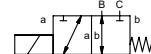
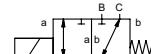


# coaxial valve

## type MK 10 DR Ex



<b>3/2 way valve</b>	<b>direct acting</b>
<b>pressure range</b>	PN 0-16 bar
<b>orifice</b>	DN 10 mm
<b>connection</b>	thread
<b>function</b>	valve normally closed (A ▶ B) symbol <b>NC</b>
	valve normally open (A ▶ B) symbol <b>NO</b>



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

<b>design</b>	pressure balanced, with spring return, intersecting switch-over
<b>body materials</b>	① brass ③ brass, nickel plated ④
	② ⑤ ⑥ stainless steel
<b>valve seat</b>	synthetic resin on metal

<b>seal materials</b>	NBR	PTFE, FPM, CR, EPDM
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### 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

<b>general specifications</b>		<b>options</b>
ports	MK	special threads
		threads G 1/4 - G 3/4
function	NC	NO
pressure range	bar	0-16
		A ⇔ B max. 16 / B ⇔ A max. 16 / A ⇔ C max. 16 / C ⇔ A max. 16
Kv value	2,6	
vacuum	2,6	
pressure-vacuum	leak rate	< 10 <sup>-6</sup> mbar·l·s <sup>-1</sup>
back pressure	P <sub>1</sub> ⇔ P <sub>2</sub>	upon request
media	P <sub>2</sub> > P <sub>1</sub>	see pressure range
abrasive media		gaseous - liquid - contaminated
damping		
flow direction	opening	
switching cycles	closing	
		see pressure range
switching time	1/min	200
	ms	opening 80
		closing 140
media temperature	°C	DC: -20 to +40 AC: -20 to +40
ambient temperature	°C	DC: -20 to +40 AC: -20 to +40
limit switches		
manual override		
approvals		LR/GL/WAZ
mounting		mounting brackets
weight	kg	MK 2,2
additional equipment		upon request

**⚠** 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.

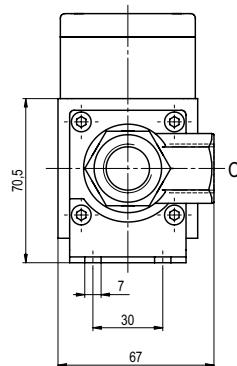
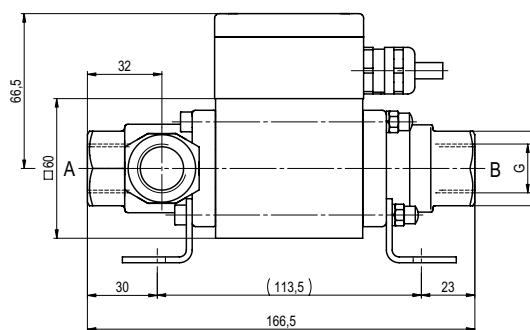
**⚠** If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application.

<b>electrical specifications</b>		<b>options</b>
nominal voltage	U <sub>n</sub>	special voltage upon request
	U <sub>n</sub>	special voltage upon request
actuation	DC	DC: 24 V
	AC	AC: 230 V 40-60 Hz
	DC	direct-current magnet
	AC	direct-current magnet with integrated rectifier
insulating rating	H	180°C
protection	IP68	
energized duty rating	ED	100%
connection		terminal box 3 m flying leads
optional additional equipment		
current consumption	U <sub>n</sub>	V-AC/DC 24 230
	I <sub>n</sub>	A 1,04 0,12
		20 48 98 110 125 200
		1,25 0,50 0,25 0,22 0,22 0,13
explosion proof		II 2 G Ex mb IIC T4 Gb II 2 D Ex mb IIIC T130°C Db IP68 PTB 03 ATEX 2045 X
limit switches		

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

## type MK 10 DR Ex

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



## type MK 10 DR Ex

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

