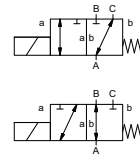


# coaxial valve

## type MK 10 DR Ex



**3/2 way valve** **direct acting**  
**pressure range** PN 0-16 bar  
**orifice** DN 10 mm  
**connection** thread  
**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  
 ③ brass, nickel plated ⑤  
 ④ 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
- inlet pressure at A, B or C
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage

**general specifications**

**options**

<b>ports</b>	MK	threads G 1/4 - G 3/4	special threads
<b>function</b>		NC	NO
<b>pressure range</b>	bar	0-16	
		A ⇒ B max. 16 / B ⇒ A max. 16 / A ⇒ C max. 16 / C ⇒ A max. 16	
<b>Kv value</b>	m³/h	2,6	
<b>vacuum</b>			< 10 <sup>-6</sup> mbar·l/s <sup>-1</sup>
<b>pressure-vacuum</b>	P <sub>1</sub> ⇔ P <sub>2</sub>		upon request
<b>back pressure</b>	P <sub>2</sub> > P <sub>1</sub>	see pressure range	
<b>media</b>		gaseous - liquid - contaminated	
<b>abrasive media</b>			
<b>damping</b>	opening		
	closing		
<b>flow direction</b>		see pressure range	
<b>switching cycles</b>	1/min	200	
<b>switching time</b>	ms	opening 80 closing 140	
<b>media temperature</b>	°C	DC: -20 to +40	
		AC: -20 to +40	
<b>ambient temperature</b>	°C	DC: -20 to +40	
		AC: -20 to +40	
<b>limit switches</b>			
<b>manual override</b>			
<b>approvals</b>			LR/GL/WAZ
<b>mounting</b>			mounting brackets
<b>weight</b>	kg	MK 2,2	
<b>additional equipment</b>			upon request

**electrical specifications**

**options**

<b>nominal voltage</b>	U <sub>n</sub>	DC 24 V	special voltage
	U <sub>n</sub>	AC 230 V 40-60 Hz	special voltage
<b>actuation</b>	DC	direct-current magnet	
	AC	direct-current magnet with integrated rectifier	
<b>insulating rating</b>	H	180°C	
<b>protection</b>	IP68		
<b>energized duty rating</b>	ED	100%	
<b>connection</b>		terminal box	
		3 m flying leads	
<b>optional additional equipment</b>			
<b>current consumption</b>	Un	V-AC/DC 24 230	20 48 98 110 125 200
	In	A 1,04 0,12	1,25 0,50 0,25 0,22 0,22 0,13

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.

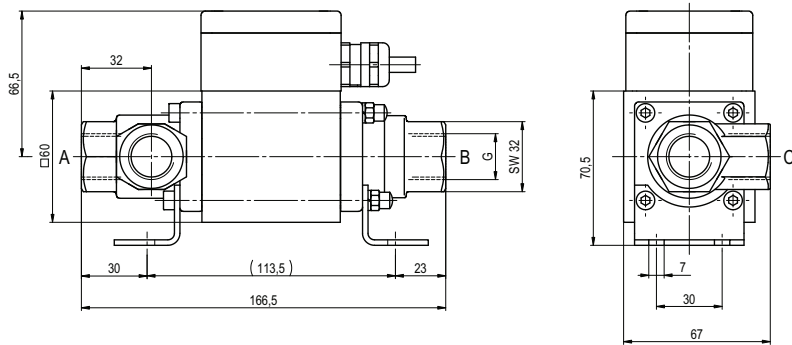
**explosion proof** II 2 G EEx m II T4 und II 2 D IP 68 T 130 °C  
 PTB 03 ATEX 2045 X

**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)

