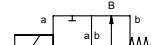
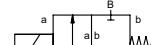


# coaxial valve

## type MK 10 Ex



<b>2/2 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 symbol <b>NC</b>
	valve normally open symbol <b>NO</b>



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

**design** pressure balanced, with spring return

<b>body materials</b>	① brass	②
	③ brass, nickel plated	⑤
	④	⑥ stainless steel

<b>valve seat</b>	synthetic resin on metal
<b>seal materials</b>	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

<b>ports</b>	MK	threads G 1/4 - G 3/4
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### options

special threads

<b>function</b>	NC	NO
<b>pressure range</b>	bar 0-16	> 16 bar upon request

<b>K<sub>v</sub> value</b>	2,5
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<b>vacuum</b>	leak rate
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< 10<sup>-6</sup> mbar·l·s<sup>-1</sup>

<b>pressure-vacuum</b>	P <sub>1</sub> ↔ P <sub>2</sub>
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upon request

<b>back pressure</b>	P <sub>2</sub> > P <sub>1</sub>
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upon request

<b>media</b>	gaseous - liquid - contaminated
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<b>abrasive media damping</b>	opening
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<b>flow direction</b>	closing
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<b>switching cycles</b>	A ↔ B as marked
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upon request

<b>switching time</b>	1/min 200
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<b>media temperature</b>	opening 80
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closing 140

<b>ambient temperature</b>	°C DC: -20 to +40
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AC: -20 to +40

<b>limit switches</b>	DC: -20 to +40
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AC: -20 to +40

<b>manual override</b>	inductive
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<b>approvals</b>	LR/GL/WAZ
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<b>mounting</b>	mounting brackets
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<b>weight</b>	kg MK 1,5
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upon request

<b>additional equipment</b>	
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### electrical specifications

<b>nominal voltage</b>	U <sub>n</sub> DC 24 V
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special voltage upon request

	U <sub>n</sub> AC 230 V 40-60 Hz
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special voltage upon request

<b>actuation</b>	DC direct-current magnet
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	AC direct-current magnet with integrated rectifier
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<b>insulating rating</b>	H 180°C
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<b>protection</b>	IP68
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<b>energized duty rating</b>	ED 100%
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<b>connection</b>	terminal box
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	3 m flying leads
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<b>optional additional equipment</b>	
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<b>current consumption</b>	U <sub>n</sub> V-AC/DC 24 230
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20 48 98 110 125 200

	I <sub>n</sub> A 1,04 0,12
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1,25 0,50 0,25 0,22 0,22 0,13

<b>explosion proof</b>	II 2 G Ex mb IIC T4 Gb
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	II 2 D Ex mb IIIC T130°C Db IP68
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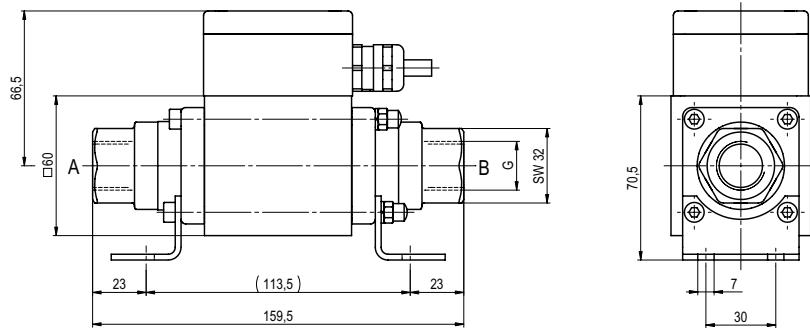
	PTB 03 ATEX 2045 X
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<b>limit switches</b>	inductive NAMUR
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circuit amplifier

## type MK 10 Ex

function: **NC**  
closed when not energized



## type MK 10 Ex

function: **NO**  
open when not energized

