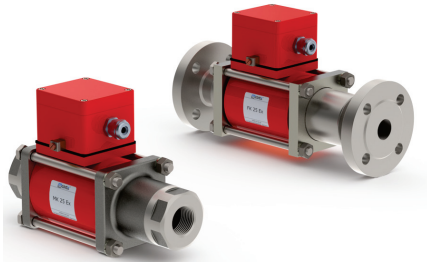
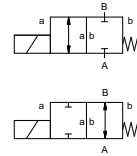


# coaxial valve

## type MK 25 Ex FK 25 Ex



**2/2 way valve** **direct acting**  
**pressure range** PN 0-100 bar  
**orifice** DN 25 mm  
**connection** thread/flange  
**function** valve  
 normally closed  
 symbol **NC**  
 valve  
 normally open  
 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  
**body materials** ① brass ② steel, galvanized  
 ③ brass, nickel plated ⑤ without non-ferr. metals  
 ④ steel, nickel plated 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
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage

	general specifications		options
<b>ports</b>	MK	threads G 1 - G 1 1/2	special threads
	FK	flanges PN 16 / 40 / 100	special flanges
<b>function</b>		NC	NO
<b>pressure range</b>	bar	0-16 / 0-40 / 0-64 / 0-100	> 100 bar upon request
<b>Kv value</b>	m <sup>3</sup> /h	11,2	
<b>vacuum</b>			< 10 <sup>-6</sup> mbar·h·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>		available (max. 16 bar)
<b>media</b>		gaseous - liquid - highly viscous - gelatinous - contaminated	
<b>abrasive media</b>			upon request
<b>damping</b>	opening		
	closing		available
<b>flow direction</b>	A ↔ B	as marked	bi-directional (max. 16 bar)
<b>switching cycles</b>	1/min	130	
<b>switching time</b>	ms	opening 130 closing 130	
<b>media temperature</b>	°C	DC: -20 to +40	-20 to +70
		AC: -20 to +40	-20 to +70
<b>ambient temperature</b>	°C	DC: -20 to +40	-20 to +70
		AC: -20 to +40	-20 to +70
<b>limit switches</b>			inductive
<b>manual override</b>			available
<b>approvals</b>			LR/GL/WAZ
<b>mounting</b>			mounting brackets
<b>weight</b>	kg	MK 8,0 FK 10,5	
<b>additional equipment</b>			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.

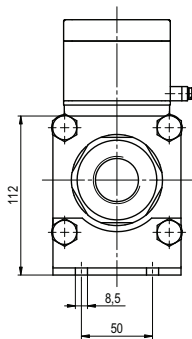
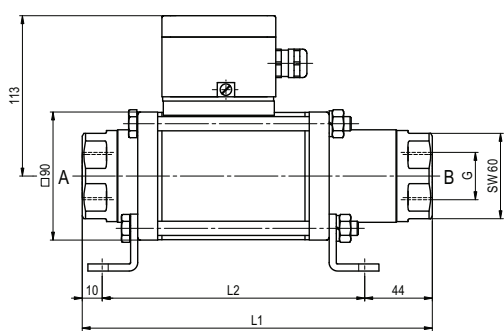
**⚠** If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application.

	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 separate rectifier outside of the explosion-proof area	sand sealed rectifier to +40 °C max.
<b>insulating rating</b>	H	180°C	
<b>protection</b>	IP65		
<b>energized duty rating</b>	ED	100%	
<b>connection</b>	M16x1,5	terminal box	
<b>optional additional equipment</b>			
<b>current consumption</b>	U <sub>n</sub>	V-DC 24 200	48 98 110 220
	I <sub>n</sub>	A 1,79 0,21	0,95 0,47 0,40 0,19
<b>explosion proof</b>		II 2 G EEx em II T4 und II 2 D IP 65 T 130 °C PTB 03 ATEX 2022 X	
<b>limit switches</b>		inductive NAMUR	circuit amplifier

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

# type MK 25 Ex

function: **NC**  
closed when not energized



constructive length	L1	L2	L3
standard	246	192	302
with 1/2 inductive limit switches	299	245	355
with manual emergency (Hd)/ Hd and 1/2 ind. limit switches	299	245	355

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	115	85	14
40	EN 1092-1	115	85	14
100	EN 1092-1	140	100	18

# type FK 25 Ex

function: **NO**  
open when not energized

