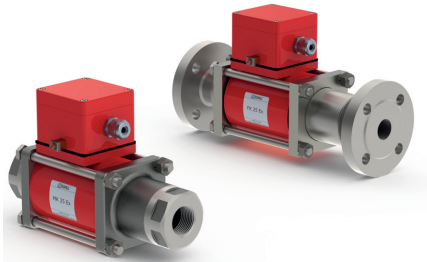
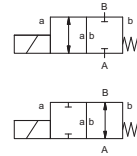



# coaxial valve

## 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**

**ports** MK threads G 1 - G 1 1/2  
 FK flanges PN 16 / 40 / 100  
**function** NC  
**pressure range** bar 0-16 / 0-40 / 0-64 / 0-100  
**Kv value** m<sup>3</sup>/h 11,2  
**vacuum** leak rate < 10<sup>-6</sup> mbar·l·s<sup>-1</sup>  
**pressure-vacuum** P<sub>1</sub> ⇔ P<sub>2</sub> upon request  
**back pressure** P<sub>2</sub> > P<sub>1</sub> available (max. 16 bar)  
**media** gaseous - liquid - highly viscous - gelatinous - contaminated  
**abrasive media** upon request  
**damping** opening closing available  
**flow direction** A ⇔ B as marked  
**switching cycles** 1/min 130  
**switching time** ms opening 130 closing 130  
**media temperature** °C DC: -20 to +40 AC: -20 to +40  
**ambient temperature** °C DC: -20 to +40 AC: -20 to +40  
**limit switches** inductive available  
**manual override** available  
**approvals** LR/GL/WAZ  
**mounting** mounting brackets  
**weight** kg MK 8,0 FK 10,5  
**additional equipment** upon request

**options**

special threads  
 special flanges  
 NO  
 > 100 bar upon request  
 < 10<sup>-6</sup> mbar·l·s<sup>-1</sup>  
 upon request  
 available (max. 16 bar)

 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**

**nominal voltage** U<sub>n</sub> DC 24 V  
 U<sub>n</sub> AC 230 V 40-60 Hz  
**actuation** DC direct-current magnet  
 AC direct-current magnet with separate rectifier outside of the explosion-proof area  
**insulating rating** H 180°C  
 IP65  
**energized duty rating** ED 100%  
**connection** M16x1,5 terminal box

**options**

special voltage upon request  
 special voltage upon request  
 sand sealed rectifier to +40 °C max.

**optional additional equipment**  
**current consumption**

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

**explosion proof**

II 2 G Ex mb e II T4  
 II 2 D Ex tD A21 IP65 T130 °C  
 PTB 03 ATEX 2022 X

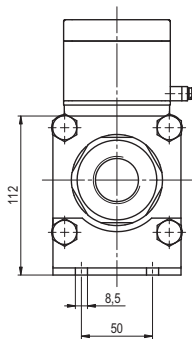
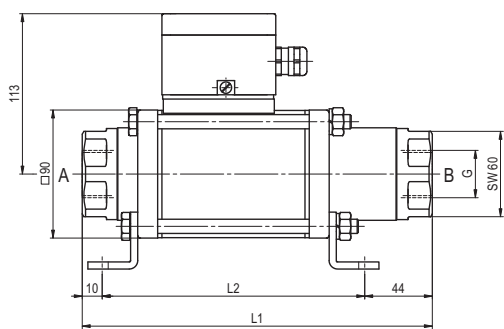
**limit switches**

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 inductive limit switches	299	245	355
with manual override / inductive 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

