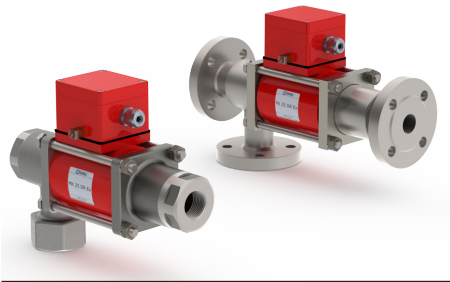
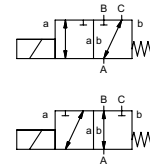


coaxial valve

type MK 25 DR Ex FK 25 DR Ex



3/2 way valve
pressure range PN 0-40 bar
orifice DN 25 mm
connection thread/flange
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, intersecting switch-over
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
- inlet pressure at A, B or C
- 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
function		NC
pressure range	bar	0-16 / 0-40
		A ⇒ B max. 40 / B ⇒ A max. 16 / A ⇒ C max. 40 / C ⇒ A max. 16
Kv value	m³/h	11,2
vacuum	leak rate	< 10 ⁻⁶ mbar•l•s ⁻¹
pressure-vacuum	P ₁ ⇄ P ₂	upon request
	P ₂ > P ₁	see pressure range
back pressure	media	gaseous - liquid - highly viscous - gelatinous - contaminated
		upon request
abrasive media		
damping	opening	
	closing	
flow direction		see pressure range
switching cycles	1/min	130
	ms	opening 130 closing 130
media temperature	°C	DC: -20 to +40 -20 to +70 AC: -20 to +40 -20 to +70
ambient temperature	°C	DC: -20 to +40 -20 to +70 AC: -20 to +40 -20 to +70
limit switches		inductive
manual override		
approvals		LR/GL/WAZ
mounting		mounting brackets
weight	kg	MK 9,2 FK 12,0
additional equipment		upon request

options

electrical specifications

nominal voltage	U _n	DC 24 V	special voltage upon request
	U _n	AC 230 V 40-60 Hz	special voltage upon request
actuation	DC	direct-current magnet	
	AC	direct-current magnet with separate rectifier outside of the explosion-proof area	sand sealed rectifier to +40 °C max.
insulating rating	H	180°C	
protection	IP65		
energized duty rating	ED	100%	
connection	M16x1,5	terminal box	

options

optional additional equipment	U _n	V-DC 24 200	48 98 110 220
	I _n	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

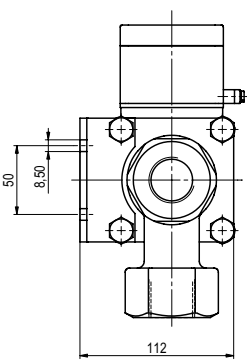
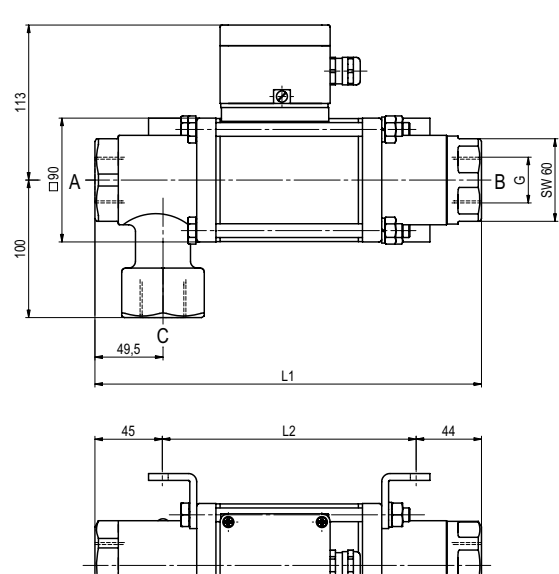
 The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

 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.

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

type **MK 25 DR Ex**

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



constructive length	L1	L2	L3
standard	281	192	337
with inductive limit switches	334	245	390

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	115	85	14
40	EN 1092-2	115	85	14

type **FK 25 DR Ex**

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

