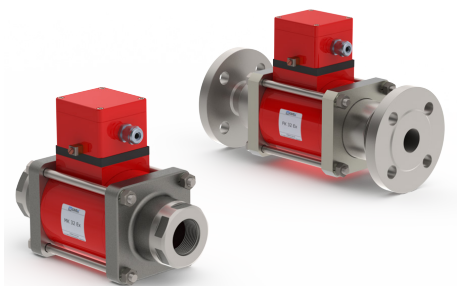
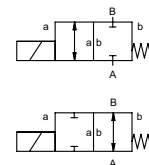


coaxial valve

 type **MK 32 Ex**
FK 32 Ex


2/2 way valve
pressure range PN 0-64 bar
orifice DN 32 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 1/4 - G 1 1/2
	FK	flanges PN 16 / 40 / 100
function		NC
pressure range	bar	0-16 / 0-40 / 0-64
Kv value	m³/h	14,1
vacuum	leak rate	< 10 ⁻⁶ mbar·l·s ⁻¹
pressure-vacuum	P ₁ ⇌ P ₂	upon request
	P ₂ > P ₁	available (max. 16 bar)
back pressure		
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	120
switching time	ms	opening 440
		closing 250
media temperature	°C	DC: -20 to +40
ambient temperature		AC: -20 to +40
		AC: -20 to +40
limit switches		inductive
manual override		available
approvals		LR/GL/WAZ
mounting		mounting brackets
weight	kg	MK 13,5 FK 17,5
additional equipment		upon request

options

special threads
 special flanges
 NO

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

options

special voltage upon request
 special voltage upon request
 sand sealed rectifier

optional
additional equipment
current consumption

U _n	V-DC	24	200	20	48	98	110	210	220	230
I _n	A	2,05	0,29	2,72	1,07	0,54	0,48	0,25	0,25	0,21

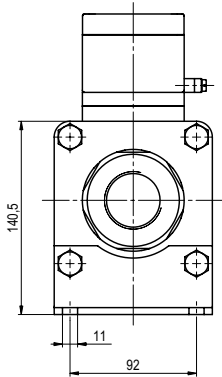
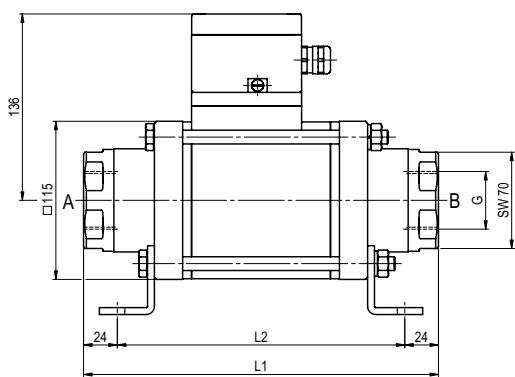
explosion proof
 II 2 G Ex mb e II T4
 II 2 D Ex tD A21 IP65 T130 °C
 PTB 03 ATEX 2051 X

limit switches inductive NAMUR circuit amplifier

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

type **MK 32 Ex**

function: **NC**
closed when not energized



constructive length	L ₁	L ₂	L ₃
standard	258	210	324
with inductive limit switches	299	251	365
with manual override / inductive limit switches	299	251	365

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	140	100	18
40	EN 1092-1	140	100	18
100	EN 1092-1	155	110	22

type **FK 32 Ex**

function: **NO**
open when not energized

