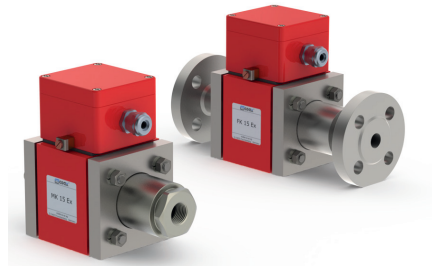
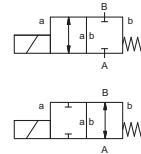


coaxial valve

type **MK 15 Ex**
FK 15 Ex



2/2 way valve direct acting
pressure range PN 0-100 bar
orifice DN 15 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 seal materials synthetic resin on metal
 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 3/8 - G 3/4
 FK flanges PN 16 / 40 / 100
function NC
pressure range bar 0-16 / 0-40 / 0-64 / 0-100
Kv value m³/h 4,8
vacuum leak rate < 10⁻⁶ mbar·l·s⁻¹
pressure-vacuum P₁ ⇔ P₂ upon request
back pressure P₂ > P₁ 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 200
switching time ms opening 80 closing 80
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 LR/GL/WAZ
approvals mounting brackets
weight kg MK 3,8 FK 5,0
additional equipment upon request

options

special threads
 special flanges
 NO
 > 100 bar upon request
 > 16 bar = 2,5
 < 10⁻⁶ mbar·l·s⁻¹
 upon request
 available (max. 16 bar)
 upon request
 available
 bi-directional (max. 16 bar)
 inductive available
 LR/GL/WAZ
 mounting brackets
 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

nominal voltage U_n DC 24 V
 U_n 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

optional additional equipment

U _n	V-DC 24 200	48 98 110 220
I _n	A 1,20 0,15	0,60 0,30 0,28 0,14

explosion proof

II 2 G Ex mb e II T4 II 2 G Ex mb II T4
 II 2 D Ex tD A21 IP65 T130 °C
 PTB 02 ATEX 2120 X

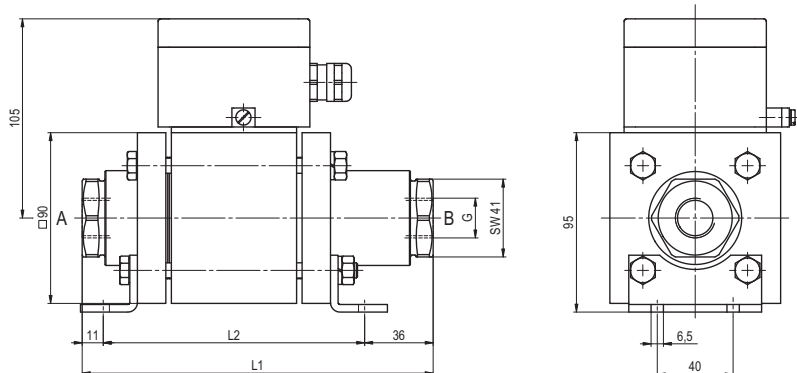
limit switches

inductive NAMUR circuit amplifier

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

type MK 15 Ex

function: **NC**
closed when not energized



constructive length	L1	L2	L3
standard	185	138	242
with inductive limit switches	234	187	291
with manual override / inductive limit switches	234	187	291

flanges PN	DIN	$\varnothing D$	$\varnothing k$	$\varnothing d$
16	EN 1092-1	95	65	14
40	EN 1092-1	95	65	14
100	EN 1092-1	105	75	14

type FK 15 Ex

function: **NO**
open when not energized

