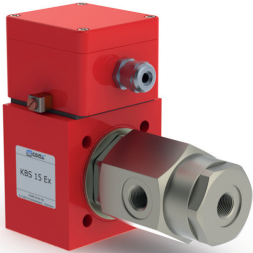


12/2024



⚠ Above stated body materials refer to the valve port connections that get in contact with the media only!

details needed

- orifice
- port
- function NC/NO
- operating pressure
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage

⚠ 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. To avoid hydraulic shocks in pipelines, the flow velocities must be taken into account when designing valves for liquids.

2/2-way valve

pressure range

orifice

connection

function

direct acting

PN 0-150 bar

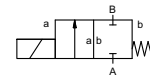
DN 1,5-3 mm

thread

valve

normally closed

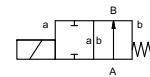
symbol **NC**



valve

normally open

symbol **NO**



operating principle

direct acting, with spring return

body material

- ① brass
- ②
- ③ brass, nickel plated
- ④
- ⑤
- ⑥ stainless steel

valve seat

synthetic materials on metal

seal materials

NBR **FPM**

ports

KBS threads G 3/8

options
special threads

function

NC

NO

pressure range

bar	40 100 150	100 300 500
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Kv value

DN	3 2 1,5	3 2 1,5
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vacuum

l/min	5,2 1,3 1,1	5,2 1,3 1,1
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pressure-vacuum

leak rate < 10⁻⁶ mbar•L•s⁻¹

back pressure

P₁ ↔ P₂ upon request

media

P₂ > P₁ upon request

gaseous - liquid

abrasive media

damping

opening

closing

A ↔ B	as marked	bi-directional upon request
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flow direction

switching cycles

switching time

1/min	120	300
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ms	opening 250	opening 120
	closing 160	closing 80

media temperature

°C DC: -20 to +40

ambient temperature

°C AC: -20 to +40

°C AC: -20 to +40

limit switches

manual override

approvals

mounting

weight

additional equipment

WAZ

mounting holes

kg 4,2

WAZ

upon request

electrical specifications

options

U_n DC 24 V +5%/-10% special voltage

U_n AC 230 V +5%/-10% 40-60 Hz special voltage

DC direct-current magnet

AC direct-current magnet with separate rectifier outside of the explosion-proof area

H 180°C

IP65

ED 100%

M16x1,5 terminal box

U _n	V-DC 24 200	48 98 110 220
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I _n	A 1,13 0,15	0,59 0,30 0,26 0,13
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Ⓜ II 2G Ex mb e II T4 II 2G Ex mb II T4

Ⓜ II 2D Ex tD A21 IP65 T130 °C

Ⓜ II 2G Ex h IIC T4 Gb

Ⓜ II 2D Ex h IIIC T130°C Db

optional

additional equipment

current draw

explosion proof

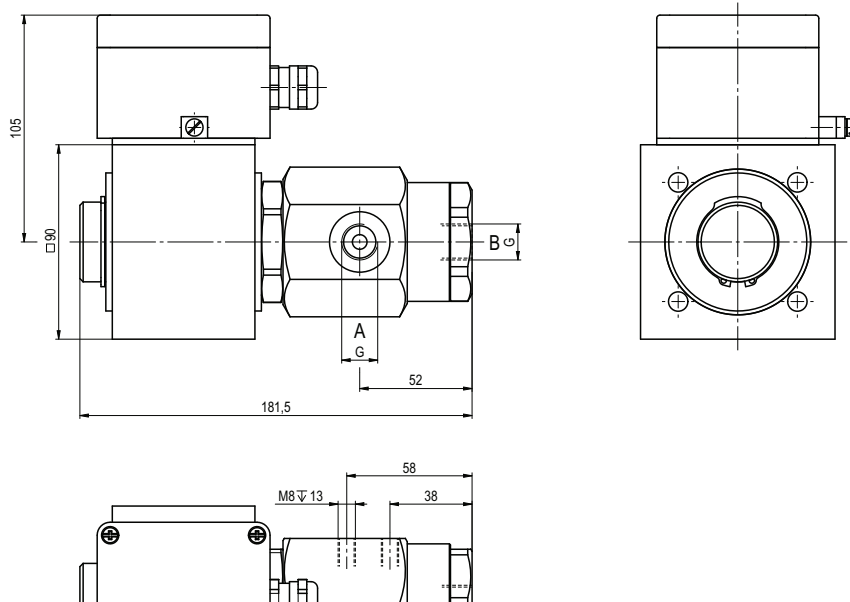
limit switches

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

coax® data sheet - lateral valve

type KBS 15 Ex

function: **NC**
closed when not energized



function: **NO**
open when not energized

