

03/2022



**⚠** 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.

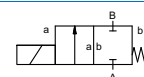
**2/2-way valve**

**pressure range**  
**orifice**  
**connection**  
**function**

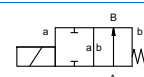
**direct acting**

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**  
**pressure range**

	NC	NO
bar	40   100   150	100   300   500
DN	3   2   1,5	3   2   1,5
l/min	5,2   1,3   1,1	5,2   1,3   1,1

**Kv value**  
**vacuum**  
**pressure-vacuum**  
**back pressure**  
**media**

leak rate < 10<sup>-6</sup> mbar•L•s<sup>-1</sup>  
P<sub>1</sub> ↔ P<sub>2</sub> upon request  
P<sub>2</sub> > P<sub>1</sub> upon request  
gaseous - liquid

**abrasive media damping**

opening		
closing		
A ↔ B	as marked	bi-directional upon request
1/min	120	300
ms	opening	250
	closing	160
°C	DC: -20 to +40	opening 120
	AC: -20 to +40	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**  
**manual override**  
**approvals**

WAZ  
mounting holes

**mounting**  
**weight**  
**additional equipment**

kg 4,2  
upon request

**nominal voltage**

**electrical specifications**  
U<sub>n</sub> DC 24 V +5%/-10% **special voltage**  
U<sub>n</sub> 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

**actuation**

**insulating rating**  
**protection**  
**energized duty rating**  
**connection**

H 180°C  
IP65  
ED 100%  
M16x1,5 terminal box

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

	V-DC	24	200	48	98	110	220
I <sub>n</sub>	A	1,13	0,15	0,59	0,30	0,26	0,13

**explosion proof**

- Ⓜ II 2G Ex mb e 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

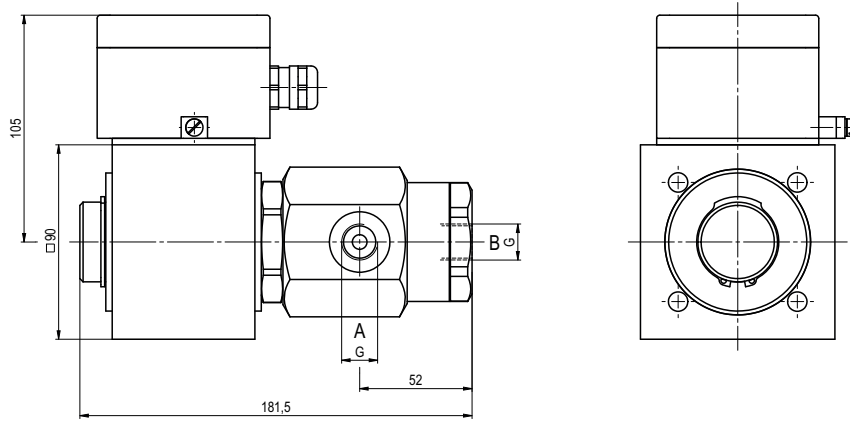
**limit switches**

■ 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

