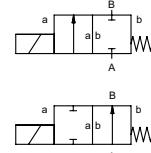


# lateral valve

## type KBS 15 Ex



<b>2/2 way valve</b>	<b>direct acting</b>
<b>pressure range</b>	PN 0-150 bar
<b>orifice</b>	DN 1,5-3 mm
<b>connection</b>	thread
<b>function</b>	valve normally closed symbol <b>NC</b>
	valve normally open symbol <b>NO</b>



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

**design** direct acting, with spring return

**body materials**

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

**valve seat** synthetic resin on metal  
**seal materials** NBR

FPM

### details needed

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

### general specifications

<b>ports</b>	KBS	threads G 3/8	<b>options</b>
<b>function</b>			special threads
<b>pressure range</b>	NC	NO	
bar	40   100   150	100   300   500	
DN	3   2   1,5	3   2   1,5	
<b>Kv value</b>	5,2   1,3   1,1	5,2   1,3   1,1	
<b>vacuum</b>		leak rate	< 10 <sup>-6</sup> mbar·s <sup>-1</sup>
<b>pressure-vacuum</b>	P <sub>1</sub> ↔ P <sub>2</sub>		upon request
<b>back pressure</b>	P <sub>2</sub> > P <sub>1</sub>		upon request
<b>media</b>		gaseous - liquid	
<b>abrasive media damping</b>			
<b>opening</b>			
<b>closing</b>			
<b>flow direction</b>	A ↔ B as marked		bi-directional upon request
<b>switching cycles</b>	1/min 120	300	
<b>switching time</b>	ms opening 250	opening 120	
	closing 160	closing 80	
<b>media temperature</b>	°C DC: -20 to +40		
	AC: -20 to +40		
<b>ambient temperature</b>	°C DC: -20 to +40		
	AC: -20 to +40		
<b>limit switches</b>			
<b>manual override</b>			
<b>approvals</b>		WAZ	
<b>mounting</b>		mounting holes	
<b>weight</b>	kg 4,2		
<b>additional equipment</b>			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

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

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

U <sub>n</sub>	V-DC 24 200	48 98 110 220
I <sub>n</sub>	A 1,20 0,15	0,68 0,30 0,28 0,14

**explosion proof**

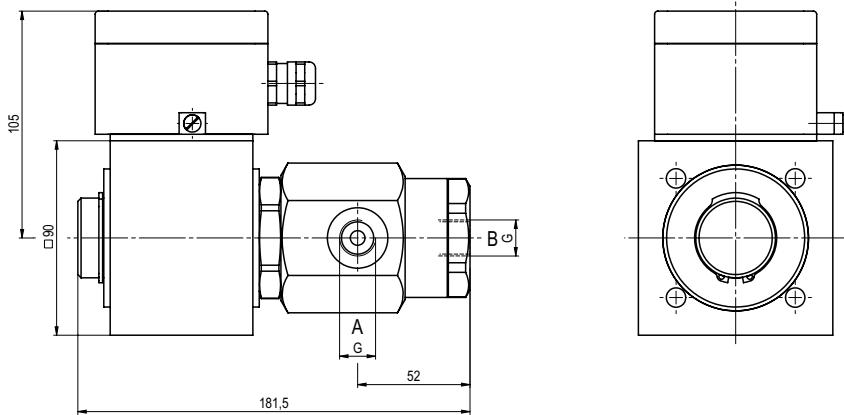
II 2 G Ex mb e II T4  
II 2 D Ex tD A21 IP65 T130 °C  
PTB 02 ATEX 2120 X

**limit switches**

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

## type KBS 15 Ex

function: **NC**  
closed when not energized



## type KBS 15 Ex

function: **NO**  
open when not energized

