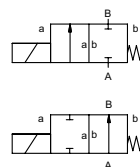


lateral valve

type **KBS 15**



2/2 way valve **direct acting**
pressure range PN 0-500 bar
orifice DN 1,5-3 mm
connection thread
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 direct acting, with spring return
body materials ① brass ②
 ③ brass, nickel plated ⑤
 ④ 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

options

ports	KBS	threads G 3/8	special threads
function	NC		NO
pressure range	bar	250 400 500	100 300 500
DN		3 2 1,5	3 2 1,5
Kv value	l/min	5,2 1,3 1,1	5,2 1,3 1,1
vacuum	leak rate	< 10 ⁻⁶ mbar•l•s ⁻¹	
pressure-vacuum	P ₁ ⇄ P ₂	upon request	
back pressure	P ₂ > P ₁	upon request	
media	gaseous - liquid		
abrasive media			
damping	opening		
	closing		
flow direction	A ⇄ B	as marked	bi-directional upon request
switching cycles	1/min	270	
switching time	ms	opening 60	closing 160
media temperature	°C	DC: -40 to +100	
		AC: -40 to +100	
ambient temperature	°C	DC: -40 to +80	
		AC: -40 to +80	
limit switches			
manual override			
approvals	WAZ		
mounting	mounting holes		
weight	kg	4,2	
additional equipment	upon request		

electrical specifications

options

nominal voltage	U _n	24 V	DC	special voltage upon request
	U _n	230 V	40-60 Hz AC	special voltage upon request
actuation	DC	direct-current magnet		
	AC	direct-current magnet with integrated rectifier		
insulation rating	H	180°C		
protection	IP65			
energized duty rating	ED	100%		
connection		plug acc. DIN EN 175301-803 form A, 4 positions x 90° / wire diameter 6-8 mm		terminal box M16x1,5
optional additional equipment	M12x1	connector acc. DESINA		connector acc. VDMA
current consumption		24 V	DC 2,30 A	
		230 V	40-60 Hz AC 0,24 A	
explosion proof				
limit switches				

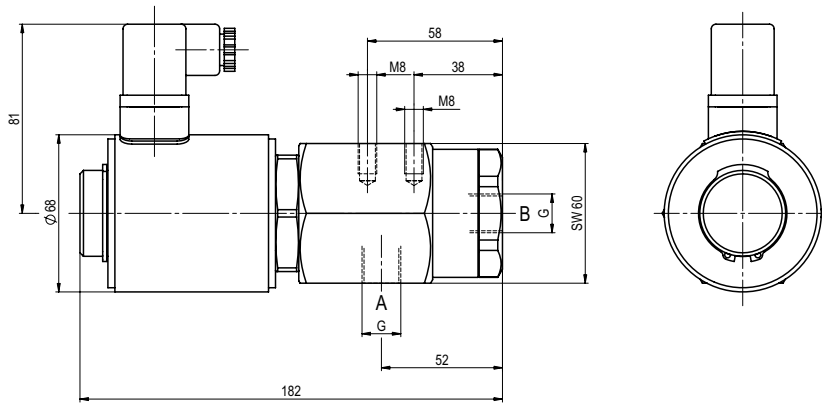
⚠ The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

⚠ 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.

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

type **KBS 15**

function: **NC**
closed when not energized



type **KBS 15**

function: **NO**
open when not energized

