

03/2026



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

details needed

- orifice
- port
- function NC
- 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.

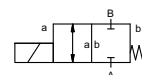
⚠ If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application. 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 0-100 bar
DN 2-8 mm
thread
valve
normally closed
symbol NC



operating principle

body material

direct acting, with spring return
① 1.4104/steel, nickel plated
②
③
④
④ stainless steel, steel, nickel plated

valve seat

seal materials

synthetic materials on metal
NBR, PTFE
FPM

ports

function
pressure range

KB	threads G 3/8	special threads
	NC	

Kv value

vacuum
pressure-vacuum
back pressure
media

bar	10 10 16 30 50 100
DN	8 6 5 4 3 2
l/min	24,0 17,4 13,5 11,0 4,1 1,7
leak rate	< 10 ⁻⁶ mbar•l•s ⁻¹
P ₁ ↔ P ₂	upon request
P ₂ > P ₁	upon request
	gaseous - liquid

abrasive media
damping

flow direction
switching cycles
switching time

opening		
closing		
A ↔ B	as marked	bi-directional upon request
1/min	210	
ms	opening 100	
	closing 175	
°C	DC: -30 to +40	-30 to +120
	AC: -30 to +40	-30 to +120 (≤98 V max. +100)
°C	DC: -30 to +40	-30 to +120
	AC: -30 to +40	-30 to +120 (≤98 V max. +100)

media temperature
ambient temperature

limit switches
manual override
approvals
mounting
weight
additional equipment

		WAZ
kg	2,8	

nominal voltage

actuation

		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 integrated rectifier	

insulating rating
protection
energized duty rating
connection

H	180°C
IP65	
	refer to ATEX / IECEx operating manual
DC	terminal box M16x1,5
AC	terminal box
	3 m flying leads

optional
additional equipment
current draw

T ₄ U _n	V-DC 24 200	20 48 98 110 125 220
T ₄ I _n	A 2,16 0,27	2,29 1,09 0,49 0,44 0,40 0,24
T ₃ U _n	V-DC 24 200	20 48 98 110 125 220
T ₃ I _n	A 2,16 0,27	2,29 1,09 0,60 0,55 0,50 0,24

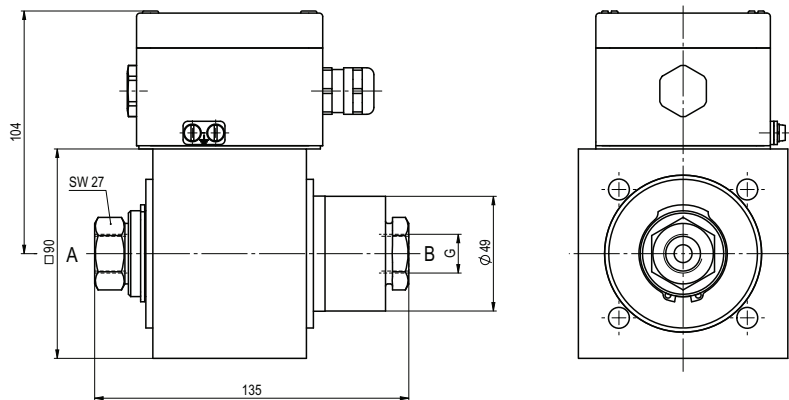
explosion proof

Ⓜ II 2G Ex eb mb IIC T4 Gb	Ⓜ II 2G Ex h IIC T4 Gb
Ⓜ II 2D Ex mb tb IIIC T135°C Db	Ⓜ II 2D Ex h IIIC T130°C Db
Ⓜ II 2G Ex eb mb IIC T3 Gb	Ⓜ II 2G Ex h IIC T3 Gb
Ⓜ II 2D Ex mb tb IIIC T185°C Db	Ⓜ II 2D Ex h IIIC T185°C Db

limit switches

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

function: **NC**
closed when not energized



If the distance between two neighbouring valve surfaces is less than 100 mm, the specifications of the ATEX / IECEx operating manual for the valve row apply.