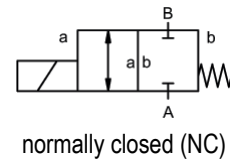


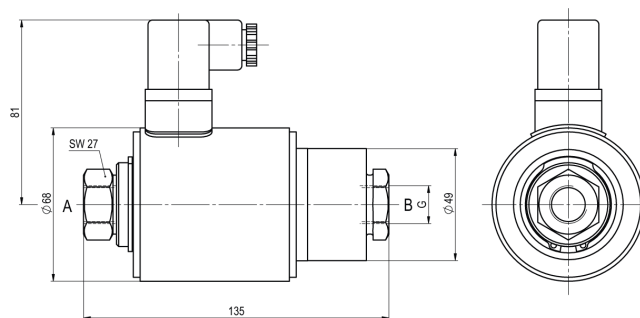
2/2 - way coaxial solenoid valve - directly operated, DN 2-8mm series CVTB



design	2/2 - way coaxial solenoid valve , directly operated, normally closed
mode of operation	directly operated with spring return
nominal diameter	DN 2/3/4/5/6/8mm
connection	G3/8", special thread on request
function	NC 1-coil operation
pressure range	DN 2: 300bar, DN 3: 250bar, DN 4: 120bar, DN 5: 80bar, DN 6: 50bar, DN 8: 30bar
function	NC 2-coil operation
pressure range	DN 2: 400bar, DN 3: 300bar, DN 4: 150bar, DN 5: 100bar, DN 6: 70bar, DN 8: 40bar
materials	body made of stainless steel AISI 430F/steel nickel plated or stainless steel AISI 316L/steel nickel plated sealing materials NBR, PTFE, FKM the indications of material of the remarks exclusively refer to the valve connection parts coming into contact with the medium.
media	gaseous - liquid
flow direction	A → B, according to identification
type of fixing	installed into rigid pipework
mounting position	any
vacuum leakage rate	$< 10^{-6} \text{ mbar} \cdot \text{l} \cdot \text{s}^{-1}$
kv value	DN 2: 1,7l/min, DN 3: 4,1l/min, DN 4: 11,0l/min, DN 5: 13,5l/min, DN 6: 17,4l/min, DN 8: 24,0l/min
operations	260/min
switching time	open 60ms, close 170ms (open 40ms, close 120ms on request)
medium temperature	-20...+100°C (special version -40...-196°C and higher than +100°C)
ambient temperature	-20...+80°C
certifications	on request EN10204
weight	2,5kg
options	vacuum-test with certificate, design ATEX, in both directions pass through, back pressure tight

type of current	AC and DC
standard voltage	230V/40-60Hz, 24VDC, acceptable voltage tolerance $\pm 10\%$
special voltage	on request
magnetic system	DC direct current solenoid, AC direct current solenoid with integrated rectifier (above 100°C with separate rectifier)
classification of insulation	H 180°C
current consumption	1-coil operation 24VDC 2,3A, 230VAC 0,24A 2-coil operation pull in current 24VDC 5,9A, 230VAC 0,76A, holding current 24VDC 1,58A, 230VAC 0,16A
duty cycle	on request 100% (continuous operation)
protection class	IP65 according to EN 60529 for a correctly mounted connector (protection against the penetration of dust and jet water)
scope of supply	with connector acc. to EN175301-803-form A (previous DIN43650)-cable inlet M16x1,5
optional	connector acc. to DESINA, connector acc. to VDMA, terminal box M16x1,5 on request
additional features	connector with integrated LED and VDR
order data	nominal diameter, connection, NC/NO function, operating pressure, flow rate, medium, medium temperature, ambient temperature, nominal voltage, duty cycle, operations
direction for use	the valves technical design is based on media and application, which may lead to deviations from the general information on the data sheet in terms of design, sealing materials and characteristics. if order or application information is inexact or incomplete, there is a risk of the incorrect design of valves for the intended use. This can have the effect that the physical and / or chemical properties of the used materials or seals for the intended purpose are insufficient.

dimensions



CVTB function NC

electrical connection



M12x1 DESINA / VDMA



terminal box



A type connector
DIN EN 175301-803

illustrations are non-binding
all designs, configurations, measurements and materials are subject to change without prior notice