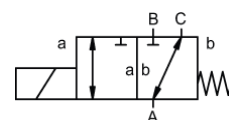
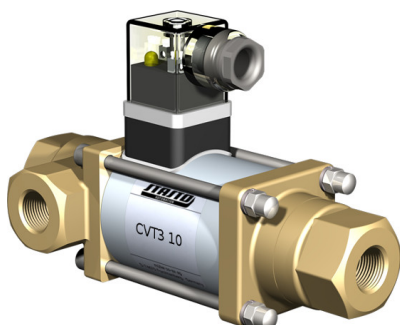
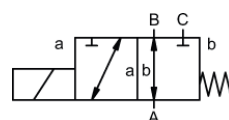


3/2-way-coaxial valve - directly operated series CVT3-10



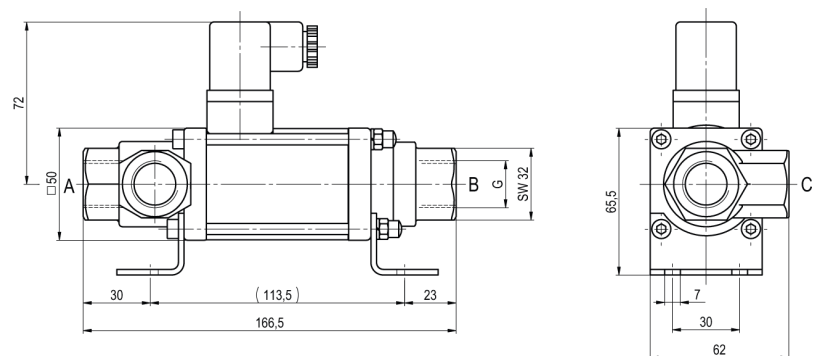
normally closed (NC)



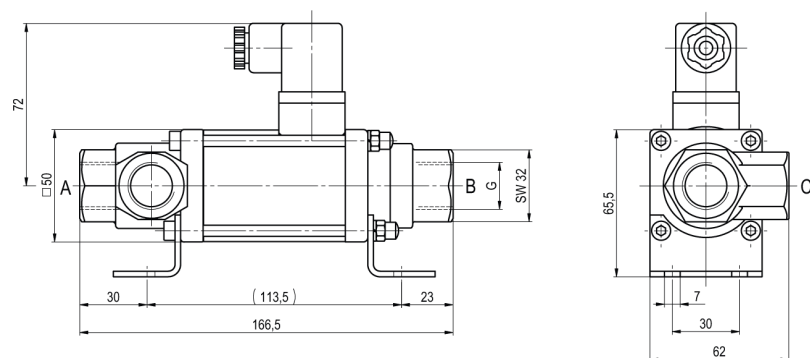
normally open (NO)

design	3/2-way-coaxial valve, directly operated, normally closed or normally open
mode of operation	pressure balanced, with spring return, not free of overlapping
nominal diameter	0...16bar / 0...25bar / 0...40bar: DN10mm 0...100bar: DN8mm
connection	G1/4"...G3/4" , special flanges and -threads on request
pressure range	0...16 or 0...25, A → B max. 25bar / B → A max. 16bar / A → C max. 25bar / C → A max. 25bar 0...40, A → B max. 40bar / B → A max. 25bar / A → C max. 40bar / C → A max. 25bar 0...100, A → B max. 100bar / B → A max. 75bar / A → C max. 100bar / C → A max. 75bar
back pressure	P2 > P1, see pressure range
materials	optional body brass, nickel plated brass or stainless steel valve seat plastic on metal, sealing materials NBR, FPM, CR, EPDM the indications of material of the remarks exclusively refer to the valve connection parts coming into contact with the medium
media	gaseous - liquid - contaminated
flow direction	see pressure range
type of fixing	installed into rigid pipework, mounting bracket on request
mounting position	any
vacuum leakage rate	$< 10^{-6} \text{ mbar} \cdot \text{l} \cdot \text{s}^{-1}$
kv value	0...16bar / 0...25bar: 2,6m³/h 0...40bar: 2,2m³/h 0...100bar: 1,4m³/h
operations	200/min
switching time	0...16bar / 0...25bar open 40ms, close 25ms 0...40bar / 0...100bar open 135ms, close 20ms
medium temperature	-10...+80°C (special version -30...+120°C)
ambient temperature	-10...+80°C
certifications	on request LR/GL/EN10204
weight	0...16bar / 0...25bar 2,2kg 0...40bar / 0...100bar 2,5kg
options	vacuum-test with certificate, design ATEX

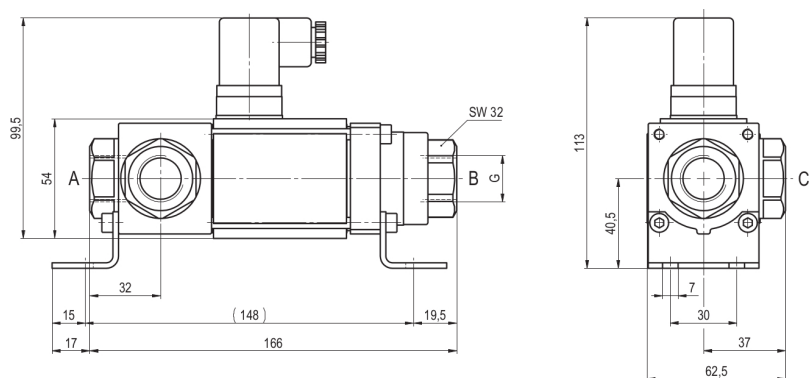
type of current	AC and DC
standard voltage	230V/40-60Hz, 24VDC, acceptable voltage tolerance $\pm 10\%$
special voltage	on request
magnetic system	DC direct current solenoid, AC direct current solenoid with integrated rectifier
classification of insulation	H 180°C
current consumption	N-coil 24VDC 1A, 230VAC 0,13A, H-coil 24VDC 1,29A, 230VAC 0,16A
duty cycle	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, 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
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.



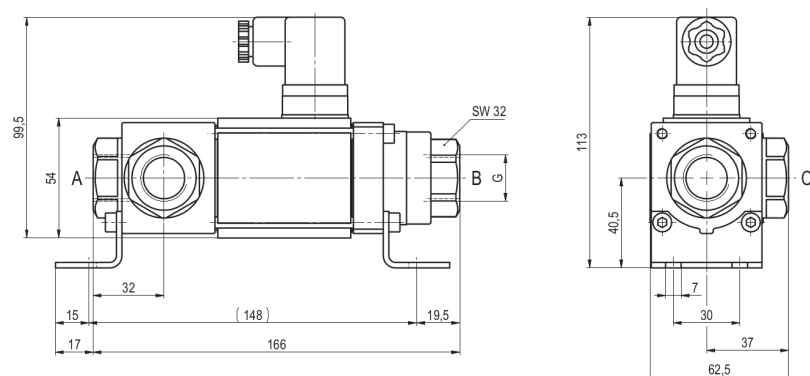
CVT3-10 function NC 0...16bar / 0...25bar



CVT3-10 function NO 0...16bar / 0...25bar



CVT3-10 function NC 0...40bar / 0...100bar



CVT3-10 function NO 0...40bar / 0...100bar

mounting brackets are to be ordered separately

electrical connection

 M12x1 DESINA / VDMA	 DIN EN 175301-803	 terminal box	 A type connector DIN EN 175301-803
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illustrations are non-binding
all designs, configurations, measurements and materials are subject to change without prior notice