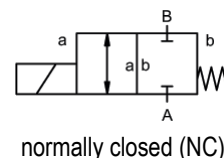


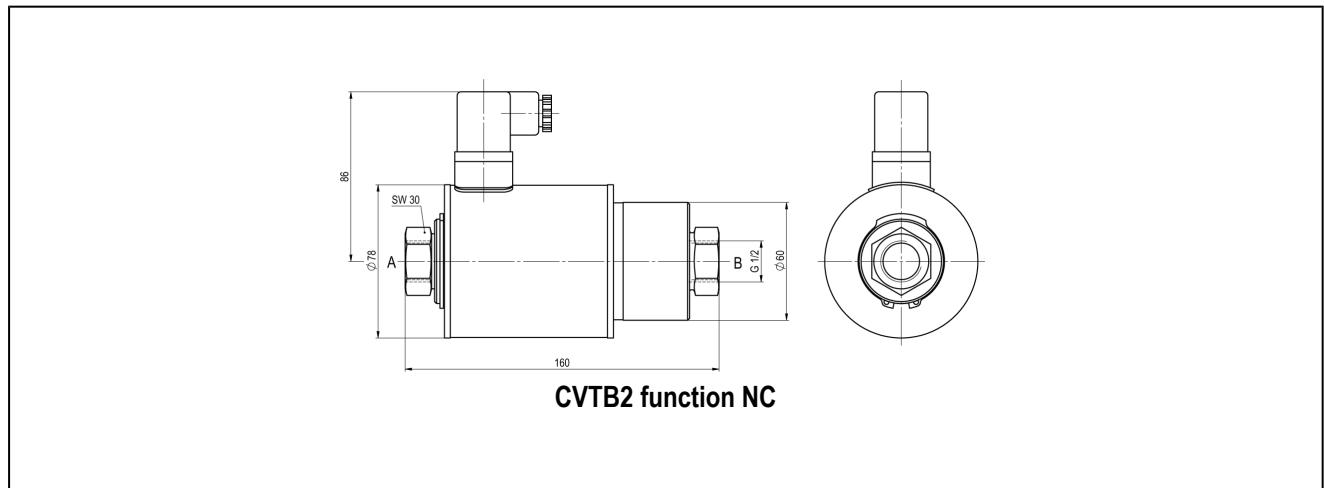
2/2 - way coaxial solenoid valve - directly operated, DN 8-14mm series CVTB2



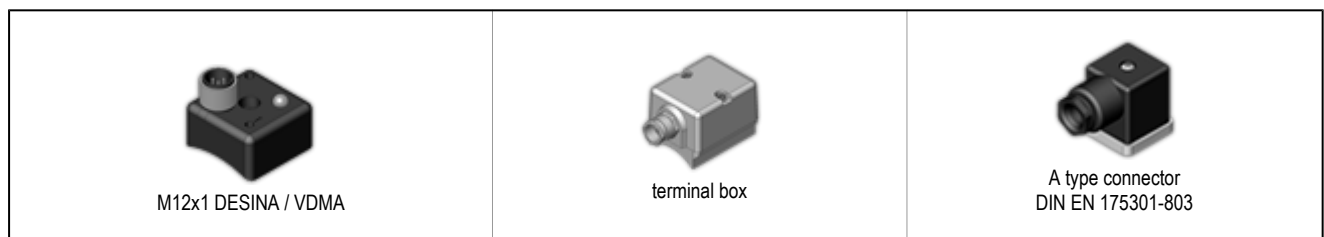
design	2/2 - way coaxial solenoid valve , directly operated, normally closed
mode of operation	directly operated with spring return
nominal diameter	DN 8/10/12/14mm
connection	G1/2", special thread NPT 1/2"
function	NC
pressure range	DN 8: 50bar, DN 10: 35bar, DN 12: 25bar, DN 14: 15bar
materials	body made of stainless steel AISI 430F/steel nickel plated or stainless steel AISI 316L/steel nickel plated valve seat plastic on metal 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 and liquid fluids which do not affect the used materials
flow direction	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 8: 1,8m³/h, DN 10: 2,5m³/h, DN 12: 2,9m³/h, DN 14: 3,2m³/h,
operations	150/min
switching time	open 120ms, close 270ms
medium temperature	-20...+100°C (special version -40...-196°C and higher than + 100°C)
ambient temperature	-20...+80°C
certifications	on request factory certificate
weight	3,5 kg
options	vacuum-test with certificate

electrical data	
type of current	AC and DC
standard voltage	230V/40-60Hz, 24VDC, acceptable voltage tolerance $\pm 10\%$
magnetic system	DC direct current solenoid, AC direct current solenoid with integrated rectifier (above 100°C with separate rectifier)
current consumption	24VDC 2,64A, 230VAC 0,3A
duty cycle	100% (continuous operation)
connection	plug-in connector DIN EN 175301-803 Form A, connector DESINA, terminal box M16x1,5
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
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



electrical connection



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