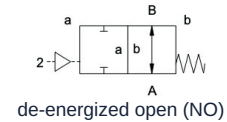
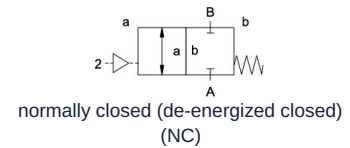


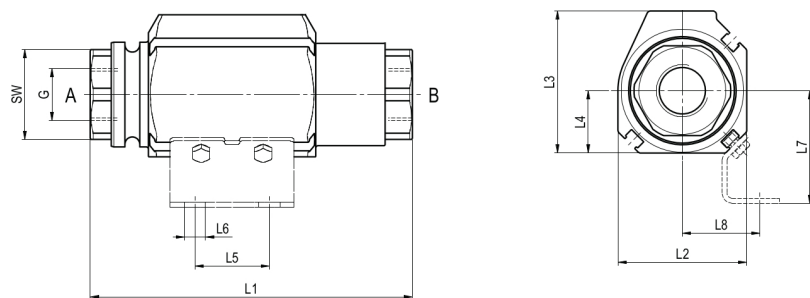
2/2-Way coaxial valve - pneumatically actuated Series CSE01, CSE02



Design type	2/2-way coaxial valve, pneumatically actuated, normally closed (de-energized closed) or de-energized open, pressure-relieved, with spring return, Solenoid piston for end position feedback
Connection	G3/8"....G1" according to ISO228/1
Pilot port	G1/8" according to ISO228/1
Materials	Housing anodized aluminium, parts in contact with the medium aluminium or stainless steel AISI316L, Seals PTFE/FKM
Application range	gaseous and liquid media that do not attack the materials used
Medium temperature	-20...+120°C
Ambient temperature	-20...+80°C
Operating pressure	Vacuum up to max. 16bar
Vacuum Leakage rate	$< 10^{-4} \text{ mbar} \cdot \text{l} \cdot \text{s}^{-1}$
Control medium	Compressed air (other media on request)
Control pressure	NC 3...8bar, NO 4...8bar
Flow direction	any, bidirectional flow-through, back pressure-tight
Mounting type	Installation in rigid piping system or mounting bracket
Mounting position	any
Switching cycles	see table
Switching time	see table
Special versions	Hydrogen version, ATEX Zone 1 and 21, Operating pressure 0...25bar bzw. 0...40bar, Connection NPT, Valve manifold



Dimensions



Connection	Nominal size DN[mm]	L1	L2	L3	L4	L5	L6	L7	L8	SW	Weight [approx. kg]		Type NC		Type NO	
											Aluminium	Stainless steel	Aluminium	Stainless steel	Aluminium	Stainless steel
G3/8"	10	110	42,5	48	20	25	6,5	33	24	27	0,4	0,6	CSE01-38-10-AT	CSE01-38-10-ZT	CSE02-38-10-AT	CSE02-38-10-ZT
G1/2"	10	110	42,5	48	20	25	6,5	33	24	27	0,4	0,6	CSE01-12-10-AT	CSE01-12-10-ZT	CSE02-12-10-AT	CSE02-12-10-ZT
G1/2"	15	130	52	57	25	30	8,5	45	31,5	36	0,7	1,0	CSE01-12-15-AT	CSE01-12-15-ZT	CSE02-12-15-AT	CSE02-12-15-ZT
G3/4"	15	130	52	57	25	30	8,5	45	31,5	36	0,7	1,0	CSE01-34-15-AT	CSE01-34-15-ZT	CSE02-34-15-AT	CSE02-34-15-ZT
G3/4"	20	150	60	64	28	30	8,5	47	33,5	41	0,9	1,5	CSE01-34-20-AT	CSE01-34-20-ZT	CSE02-34-20-AT	CSE02-34-20-ZT
G1"	20	150	60	64	28	30	8,5	47	33,5	41	0,9	1,5	CSE01-10-20-AT	CSE01-10-20-ZT	CSE02-10-20-AT	CSE02-10-20-ZT
G1"	25	160	66	71	33	30	8,5	51	37	50	1,3	2,2	CSE01-10-25-AT	CSE01-10-25-ZT	CSE02-10-25-AT	CSE02-10-25-ZT
G1 1/4"	25	160	66	71	33	30	8,5	51	37	50	1,3	2,2	CSE01-114-25-AT	CSE01-114-25-ZT	CSE02-114-25-AT	CSE02-114-25-ZT

Switching cycles 1/min	Switching time [ms]		Air consumption [cm³/Stroke]	Kv value [m³/h Water]	Type Aluminium	Type Stainless steel
	open	close				
660	30	35	2	3,7	CSE0.-38-10-AT	CSE0.-38-10-ZT
660	30	35	2	4,3	CSE0.-12-10-AT	CSE0.-12-10-ZT
550	30	40	4	8,5	CSE0.-12-15-AT	CSE0.-12-15-ZT
550	30	40	4	10,5	CSE0.-34-15-AT	CSE0.-34-10-ZT
410	35	60	8	15,4	CSE0.-34-20-AT	CSE0.-34-20-ZT
410	35	60	8	17,0	CSE0.-10-20-AT	CSE0.-10-20-ZT
380	35	70	11	23,7	CSE0.-10-25-AT	CSE0.-10-25-ZT
380	35	70	11	24,6	CSE0.-114-25-AT	CSE0.-114-25-ZT

Mounting bracket

	Nominal size DN[mm]	Type
	10	MB-CSE0102-10
	15...25	MB-CSE0102-15/25



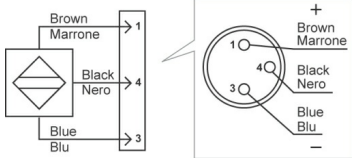
Assembled control valves

		
Description	3/2-way valve, electrical/Spring, Manual emergency override, G1/8, Silencer, p = 0...10bar	3/2-way valve, electric/internal pilot air, Manual emergency override, G1/8, with adjustable closing delay(Throttle silencer), p = 2...10bar
Type	ABS77	ABS78

Assembled control valves - Solenoid coils

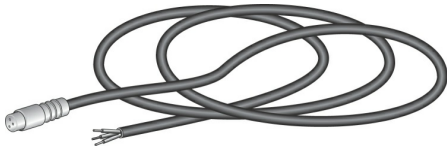
	Voltage	Degree of protection	Power consumption at 20°C	Type
	24VDC 48V/50-60Hz	IP65 according to EN 60529 with correctly mounted device connector (protection against dust ingress and water jets)	3W/5VA	C001-03
	12VDC 24V/50-60Hz		3W/5VA	C001-04
	230V/50-60Hz		5VA	C001-22
	115V/50-60Hz		5VA	C001-23

Solenoid switch - Limit switch, Normally closed PNP

MSE-08-0,3-01		
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Voltage [V]	maximum current [mA]	maximum power [VA]/[W]	Cable length [m]	Cable connection	Type
10...30 DC	200	4,8	0,3	M8 connector	MSE-08-0,3-01

Connection cable for Solenoid switch M8


Type VSC-P3 030, Cable length 3m

Illustrations non-binding
Design, dimensional and material changes reserved

Armatures / Valves, butterfly valves and gate valves - automatically operated / Coaxial valves pneumatically operated