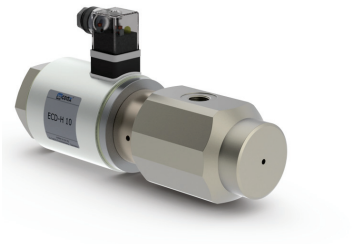
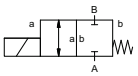
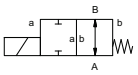
lateral valve
type ECD-H 10



2/2 way valve	**direct acting**
pressure range	PN 0-200 bar
orifice	DN 10 mm
connection	thread
function	valve normally closed symbol **NC**



valve
normally open
symbol **NO**



design	pressure balanced, with spring return	
body materials	① brass	②
	③	⑤
	④	⑥ stainless steel
valve seat	synthetic resin on metal	
seal materials	NBR	PTFE, FPM, CR, EPDM

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

details needed
- orifice
- port
- function NC/NO
- operating pressure
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage

	general specifications		options
ports	ECD-H	threads G 3/8	
function		NC	NO
pressure range	bar	0-200	0-150
Kv value	m³/h	1,5	
vacuum	leak rate		< 10^{-6} mbar•l•s^{-1}
pressure-vacuum	$P_1 \Leftrightarrow P_2$		
back pressure	$P_2 > P_1$		
media		gaseous - liquid	
abrasive media			
damping	opening		
	closing		
flow direction	A ⇨ B	as marked	bi-directional upon request
switching cycles	1/min	100	
switching time	ms	opening 250 closing 110	
media temperature	°C	DC: -20 to +100	-20 to +160
		AC: -20 to +100	-20 to +160
ambient temperature	°C	DC: -20 to +60	
		AC: -20 to +60	
limit switches			inductive
manual override			
approvals			
mounting			
weight	kg	6,0	
additional equipment			

	electrical specifications		options
nominal voltage	U_n	DC 24 V	special voltage upon request
	U_n	AC 230 V 40-60 Hz	special voltage upon request
actuation	DC	direct-current magnet	
	AC	direct-current magnet with integrated rectifier	above 100 °C with separate rectifier
insulating rating	H	180°C	
protection	IP65		
energized duty rating	ED	100%	
connection		plug acc. DIN EN 175301-803 form A, 4 positions x90° / wire diameter 6-8 mm	terminal box M16x1,5
optional additional equipment		iluminated plug with varistor	
current consumption	N-coil		
	H-coil	DC 24 V 2,64 A	
		AC 230 V 40-60 Hz 0,30 A	
explosion proof			
limit switches		inductive (I)	normally open-PNP
		inductive (B)	normally open-PNP

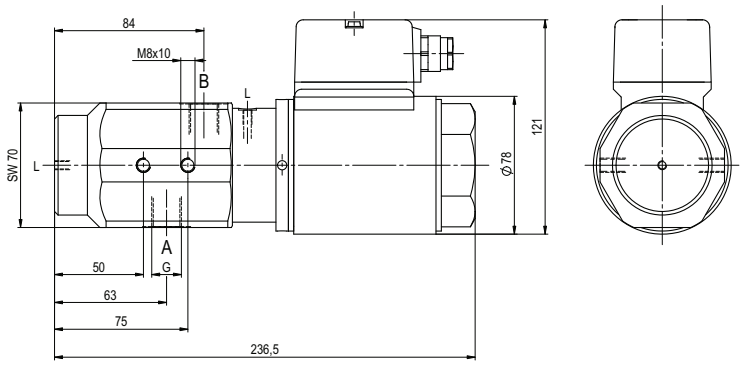
⚠ The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

⚠ 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.

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

Type **ECD-H 10**

function: **NC**
closed when not energized



Type **ECD-H 10**

function: **NO**
open when not energized