

22 mm. directly operated solenoid valves
1/8" and 1/4", 3/2, normally closed, electrically operated

Standard executions			
Version	Symbol	Code	Item
1/8", 3/2 N.C., with bistable manual override		034226	A1E130MD
1/4", 3/2 N.C., with bistable manual override		034227	A1E230MD
1/8", 3/2 N.C., with bistable manual override Ex nA		For code key see table below	
1/4", 3/2 N.C., with bistable manual override Ex nA			



Series of direct operated valves for mounting on the application (on cylinder or on rotary actuator, as shown in the examples at page 2.10.4).

II 2Gc IIB T5
II 2Dc T100°C

On request, they can be supplied according to 2014/34/EU - ATEX

For versions conforming to ATEX 2014/34/UE Directive, classification Ex nA... see page 2.10.3

For further ATEX classifications ask to our sales department.

Options	Suffix
Low temperature seals (-25 ÷ +60°C)	BT
Seals FKM (-10°C ÷ +150°C)	V

Standard coils and connectors have to be ordered separately:
 For the coils typer ASA12... vedi pag. 2.200.1
 For connectors type A122... vedi pag. 2.210.20

Code key for standard versions

Series	Actuation	Size	Function	Mounting	Options
A1	E = electrical	1 = 1/8" 2 = 1/4"	30 = 3/2 NC	MD = direct	BT = low temp. seals V = FKM seals

Code key for ATEX versions

Series	Actuation	Size	Function	Mounting	Hazardous areas	Voltages	Options
A1	E = electrical	1 = 1/8" 2 = 1/4"	30 = 3/2 NC	MD = direct	XX = II 3G Ex nA IIC T5 Gc X II 3D Ex tc IIIC T95°C Dc X	B = 12 VDC C = 24 VDC * F = 24 VAC* I = 110 VAC * O = 220 VAC *	BT = low temp. seals V = FKM seals
* = Standard voltages							

Technical data		
Fluid	Compressed filtered air, min. 5µm, with or without lubrication.	
Pressure range	0 ÷ 10 bar	
Temperature range	-10°C ÷ +60°C (standard) -25°C ÷ +60°C (BT) -10°C ÷ +150°C (V)	
Orifice	1,2 mm.	
Flow	29 NI/min. at 6 bar ΔP 1 bar	
Weight	100 g.	
Mounting	In any position	
Materials	Base	Zinc alloy die cast
	Tube	Brass
	Cores	Steel AISI specific
	Springs	Spring steel
	Manual override	Nickel-plated brass
	Locking nut	Plastic
	Screws	Zinc plated steel



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1/4", 3/2 N.C., with bistable manual override		034227	A1E230MD

Technical drawing of a 1/8 inch, 3/2 N.C. solenoid valve. Dimensions include: total height 55.7, coil height 16, coil offset 6.5, valve body length 50, valve body offset 18, valve body diameter G1/8, valve body offset 5.4, valve body offset 6.2, and valve body diameter 10. The drawing shows a side view, a front view, and a cross-section view.

CE II 3G Ex nA IIC T5 Gc X
II 3D Ex tc IIIC T95°C Dc X

Version	Symbol	Code	Item
1/8", 3/2 N.C., with bistable manual override			A1E130MDXX..

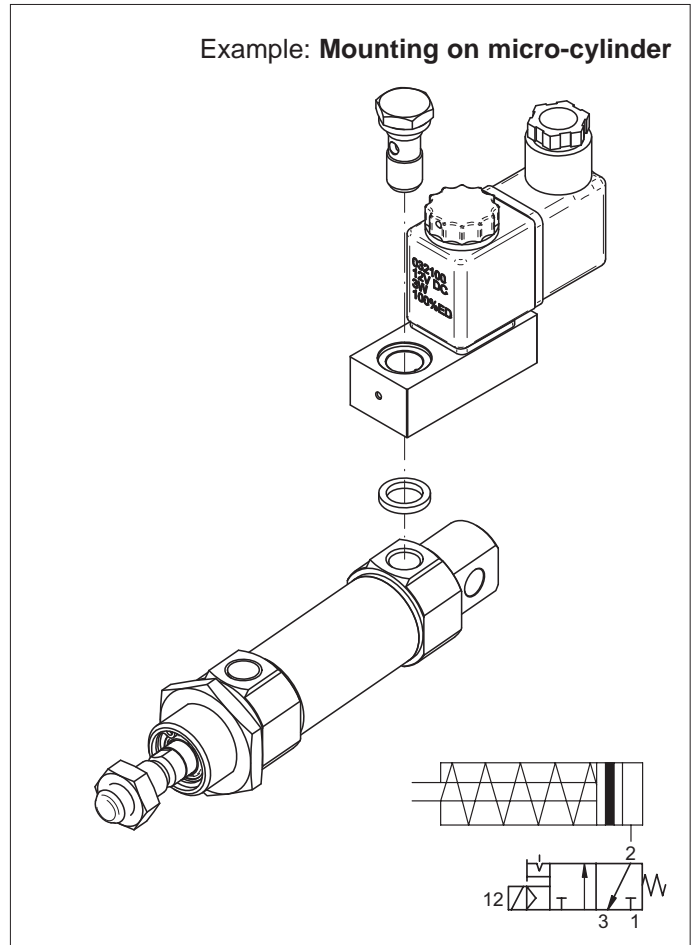
Technical drawing of a 1/4 inch, 3/2 N.C. solenoid valve. Dimensions include: total height 55.7, coil height 16, coil offset 6.5, valve body length 50, valve body offset 18, valve body diameter G1/4, valve body offset 7.5, valve body offset 9, and valve body diameter 10. The drawing shows a side view, a front view, and a cross-section view.

CE II 3G Ex nA IIC T5 Gc X
II 3D Ex tc IIIC T95°C Dc X

Version	Symbol	Code	Item
1/4", 3/2 N.C., with bistable manual override			A1E230MDXX..

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Example of application of the direct control solenoid valve 22 mm. series A1EMD on a single-acting microcylinder series MSM.
 The valves of this series can be directly mounted on the cylinder's connection without the use of intermediate pipes.



Example of application of the direct control solenoid valve 22 mm. series A1EMD on a single-acting rotary actuator series AR..SE.
 The valves of this series can be directly mounted on the actuator connection without the use of intermediate pipes or plates.

