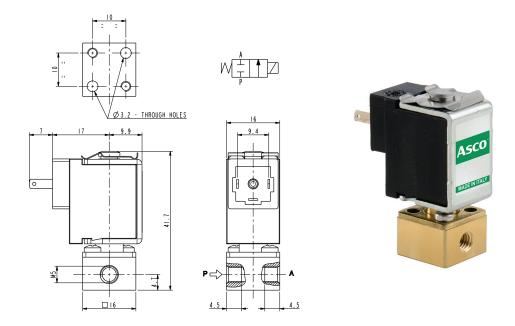
# ASCO™ MICRO SOLENOID VALVE

2/2 NORMALLY CLOSED - DIRECT ACTING - M5

SERIES V165-V



#### **General Features**

Direct acting micro solenoid valve; minimum overall dimensions.

Quick response time and high number of cycles.

Suitable to shut off liquid and gaseous fluids (verify the compatibility of fluid with materials in contact).

Technical Features								
Maximum allowable pressure (PS)	16 bar							
Opening time	from ~5ms to ~10ms							
Closing time	from ~5ms to ~10ms							
Fluid temperature	0°C +130°C							
Max viscosity	3°E (~22 cStokes or mm²/s)							

Materials in Contact with Fluid							
Body	See notes						
Sealing	FPM						
Internal components	Stainless steel						
Seat	See notes						
Core tube	Stainless steel						

Coil							
Continuous Duty		ED 100%					
Encapsulation material		PA (Polyamide) fiberglass reinforced					
Insulation class		F (155°C)					
Ambient temperature		-10°C +60°C					
Electric connections		DIN 46340					
Protection degree		IP 65 (EN 60529) with micro plug connector					
Voltages	D0	12-24V (+10% -5%)					
	DC	(Other voltages on request)					

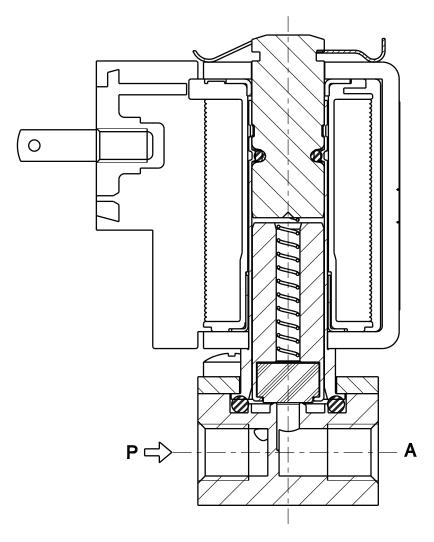
Port size ISO UNI 4534 Orifice (mm)			Differential pressure (bar)			Kv	Series and type		Power absorption				Notes	Weight		
		size An min	Δp max				Series a	Series and type		Power absorption						
			Ga	ses	Liquids (m³/h)		Coil	AC (VA)		DC	Sealings	Notes	(kg)			
	(,		AC	DC	AC	DC		Valve	Coll	Inrush	Holding	(VV)				
M5	1,1			10		10	0,04	V165V05	ZE30C	ZE30C			2,5		1 – 2	
	1,6						0,06	V165V06							4	
	1,8	0	-	- 6 -	-	6	0,07	V165V01	ZE30A ZE30C		-	4	FPM	3	0,060	
								V165V04						1		
						4		V165V05			2,5	1	1 – 2	]		

#### Notes

- These micro-solenoid valves are not suitable for stagnating media subject to vaporization which deposit solid, calcareous, incrusting residues or similar.
- Seal: FPM = Fluoro-carbon elastomer
- 1 Solenoid valves with body, seat, and bonnet in chemically nickel coated brass (Ni-P).
- 2 Solenoid valves with core coated by PTFE (polytetrafluorethylene).
- 3 Solenoid valves with body, seat and flange in brass.
- 4 Solenoid valves with body and seat in stainless steel; bonnet in chemically nickel coated brass (Ni-P).



### **Spare Parts**



## Installation

• Solenoid valve can be mounted in any position; vertical with coil upwards preferred.

**EMERSON**