

## EMERSON ASCO SOLENOID VALVE SERIES 256 STAINLESS STEEL

Direct Acting

8256C111S1E00F0  
2/2 N.C., 1/4" NPT, 0-30 bar, 0.1, EPDM, 110V/50Hz,  
IP67,

- 2/2 Normally Closed or Open G1/8", G1/4", 1/8" NPT, 1/4" NPT
- FPM, EPDM, NBR, RUBY & HNBR Seals Available
- Suitable To Shut Off Liquid & Gaseous Fluids
- Operating Pressure Differential: Up to 30 Bar
- IP67



### PRODUCT DESCRIPTION

The Emerson ASCO 256 Stainless Steel Solenoid Valve is a compact, direct acting solution ideal for precise control of a wide range of fluids. This 2/2-way valve, available in normally closed or open configurations, supports various port sizes including G1/8", G1/4", 1/8" NPT, and 1/4" NPT, making it adaptable to many system requirements. Its high-quality construction and availability of multiple seal options—FPM, EPDM, NBR, RUBY, and HNBR—ensure compatibility with both aggressive and inert liquids and gases. Designed to handle an operating pressure differential of up to 30 bar, it also features an IP67 rating, offering excellent resistance to dust and water ingress.

Built for demanding industrial environments, the ASCO 256 is suitable for applications in industrial automation, analytical instrumentation, medical devices, and process control systems. Its stainless-steel body ensures corrosion resistance and long-term reliability, even in harsh conditions. The valve's fast response time and compact design make it a go-to choice for OEMs and system integrators looking for dependable performance in tight spaces. Whether shutting off liquid or gaseous fluids, the ASCO 256 delivers efficient and consistent operation across a broad range of industries.

## TECHNICAL DATA

### GENERAL DATA

Function	2/2, Normally Closed
Connection	1/4 NPT
Electrical connection	DIN 46350 - 3 pole plug connector
Operating Pressure Differential	0-30 bar
Flow factor / flow coefficient	0.1
Voltage / Frequency	110V/50 Hz
IP class	IP67

### MATERIAL DATA

Material body	Stainless steel 316
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Material of seals	EPDM
Material seat	Stainless steel 303
Material of core tube	Stainless steel
Material internal parts	Brass, Stainless steel, Copper
Encapsulation material	thermoplastic

TEMPERATURE DATA

Temperature ambient from	-10 °C
Temperature ambient to	60 °C
Temperature of media from	-10 °C
Temperature of media to	140 °C

ADDITIONAL DATA

Viscosity max	40 cSt
Continuous duty	ED 100%
Insulation class	F (155°C) pending H (180°C)