

## 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

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

### MATERIAL DATA

<b>Material body</b>	Stainless steel 316
<b>Material of seals</b>	EPDM
<b>Material seat</b>	Stainless steel 303

<b>Material of core tube</b>	Stainless steel
<b>Material internal parts</b>	Brass, Stainless steel, Copper
<b>Encapsulation material</b>	thermoplastic

## TEMPERATURE DATA

<b>Temperature ambient from</b>	-10 °C
<b>Temperature ambient to</b>	60 °C
<b>Temperature of media from</b>	-10 °C
<b>Temperature of media to</b>	140 °C

## ADDITIONAL DATA

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