



## EMERSON ASCO SOLENOID VALVE SERIES 356 STAINLESS STEEL

Direct Acting

8356C145S1V01F0  
3/2 N.C. Manual Override, 1/8" NPT, 0-10 bar, 0.08,  
FPM, 110V/50Hz, IP67,

- 3/2 Normally Closed, Open or Universal G1/8", G1/4", 1/8" NPT, 1/4" NPT
- FPM, EPDM, NBR
- Suitable To Shut Off Liquid & Gaseous Fluids
- Operating Pressure Differential: Up to 15 Bar
- IP67



### PRODUCT DESCRIPTION

Emerson ASCO's 356 Series Stainless Steel Solenoid Valves are compact, direct-acting 3/2 valves designed for robust performance in a variety of industrial environments. Available in Normally Closed, Normally Open, or Universal configurations, they feature connection sizes including G1/8", G1/4", 1/8" NPT, and 1/4" NPT, with sealing options in FPM, EPDM, or NBR. These valves are suitable to shut off both liquid and gaseous fluids and operate with a pressure differential of up to 15 bar. Their IP67-rated protection ensures reliable operation even in harsh conditions, making them ideal for environments exposed to dust, moisture, or washdowns.

These solenoid valves are widely used across industries such as automotive, packaging, food and beverage, water treatment, and pharmaceutical processing. In these sectors, they are commonly employed to control the flow of air, water, inert gases, and light oils—managing tasks like actuating cylinders, filling and draining processes, or isolating system components. Thanks to their compact size, durable stainless steel construction, and flexible mounting options, the ASCO 356 Series offers a reliable and efficient solution for demanding industrial automation and fluid control applications.

## TECHNICAL DATA

### GENERAL DATA

|                                 |  |
|---------------------------------|--|
| Function                        | 3/2, Normally Closed (SPST), Manual Override |
| Connection                      | 1/8 NPT                                      |
| Electrical connection           | DIN 46350 - 3 pole plug connector            |
| Operating Pressure Differential | 0-10 bar                                     |
| Flow factor / flow coefficient  | 0,08   |
| Coil type                       | 20mm or 30mm                                 |
| Voltage / Frequency             | 110V/50 Hz                                   |
| IP class                        | IP67   |

### MATERIAL DATA

|               |                     |
|---------------|---------------------|
| Material body | Stainless steel 316 |
|---------------|---------------------|

|                         |                 |
|-------------------------|-----------------|
| Material of seals       | FPM             |
| Material seat           | Stainless steel |
| Material of core tube   | Stainless steel |
| Material internal parts | Stainless steel |
| Encapsulation material  | thermoplastic   |

TEMPERATURE DATA

|                           |        |
|---------------------------|--------|
| Temperature ambient from  | -10 °C |
| Temperature ambient to    | 60 °C  |
| Temperature of media from | 0 °C   |
| Temperature of media to   | 130 °C |

ADDITIONAL DATA

|                   |                             |
|-------------------|-----------------------------|
| Power consumption | 3 - 9 W                     |
| Pressure max      | 15 bar                      |
| Response time     | 30 ms                       |
| Viscosity max     | 40 cSt                      |
| Continuous duty   | ED 100%                     |
| Insulation class  | F (155°C) pending H (180°C) |