Product Data Sheet
01/20
V7680R2

ASCO™ Intrinsically Safe Solenoid Valves

Aluminum, Brass, or Stainless Steel Bodies

Applications

Designed for installation in intrinsically safe and non-incendive field wiring areas, with properly approved and sized current and voltage limiting barriers.



Features & Benefits

Increased Environmental Rating*
- 4X / IP66, 6P / IP67

New 316L Stainless Steel Junction Box
- For use in highly corrosive environments

Mountable In Any Position

SIL 3 Certified
- SIL 3 capable per IEC 61508, third party certification provided by EXIDA

Variety Of Electrical Connections
- Available in 4 versions:
  - junction box, conduit**, DIN, multi-pin

** Conduit version has 316 stainless steel conduit hub and stainless steel base plate.

Global Approvals:
- FM & CSA Approved for Intrinsically Safe Class I, Div. 1 Locations
- Approved for Non-Incendive Field Wiring (NIFW) Class I, Div. 2
- ATEX Approved for: II 1 G Ex ia IIC T6 Ga
- IECEx Approved for: Ex ia IIC T6 Ga
- Meets applicable CE directives

No Special Media Filtration Required
- Filtration required is 40 microns - Instrument air in compliance with ANSI/ISA 7.0.01-1996 meets this requirement

Specifications

Valve Type	Series
3-Way	8314, 8316, 8317, 8551, 8553
4-Way	8344, 8551, 8553

Catalog Prefix	Description	Enclosure Type Rating	Enclosure IP Rating
IS*	1/2" NPT Conduit	4, 4X	IP66
		6, 6P	IP67
JPIS*	Aluminum Junction Box	4, 4X	IP66
		6, 6P	IP67
JSIS*	SS 316L Junction Box	4, 4X	IP66
		6, 6P	IP67
ISVT	5-Pin (Male M12)	NA	IP20
ISSC	DIN (Form A)	NA	IP20

Entity Parameters	
V_{max}	32 VDC
I_{max}	500 mA
P_i	1.5 W
C_i	0 nF
L_i	0 mH

Note: -40˚F (8314, 8317, 8551/3 Brass & Stainless). Please refer to the IS section in the ASCO complete product offering catalog for detailed specifications.

For more information:
Emerson.com/ASCO

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