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EMERSON ASCO SOLENOID VALVE SERIES L182D-BIG

Diaphragm Pilot Operated Valve

L182DGGYA10AF0
L182D48-ZA10A... 2/2 N.C., G 1 1/4", 0.5-10 bar, 15, EPDM, 110V/50Hz, IP67

- 2/2 Normally Closed G 1 1/4", G 1 1/2", G 2"
- Full orifice
- Suitable to shut off liquid and gaseous fluids
- Operating Pressure Differential: Up to 10 bar
- IP67

PRODUCT DESCRIPTION

The Emerson ASCO L182D-BIG is a diaphragm pilot-operated solenoid valve designed for the reliable shut-off of liquid and gaseous fluids. Featuring a 2/2 normally closed configuration, it is available in G 1 1/4", G 1 1/2", and G 2" port sizes, accommodating various piping requirements. The valve's full orifice design ensures optimal flow rates, making it suitable for a wide range of industrial applications such as water treatment, HVAC systems and oil and gas handling. Constructed with durable materials, it operates effectively within an operating pressure differential of up to 10 bar.
Engineered to withstand demanding environments, the L182D-BIG solenoid valve offers IP67-rated protection against dust and water ingress, ensuring reliable performance even in harsh conditions. Its robust construction and versatile design make it an ideal choice for industries requiring dependable fluid control solutions. Additionally, the valve's compliance with stringent safety standards underscores Emerson ASCO's commitment to delivering high-quality, reliable products for industrial automation needs.

TECHNICAL DATA

GENERAL DATA

Function	2/2, Normally Closed
Connection	G1 1/4
Electrical connection	DIN 46350 - 3 pole plug connector
Operating Pressure Differential	0.5-10 bar
Flow factor / flow coefficient	15
Coil type	ZA10A
Voltage / Frequency	110 V / 50Hz
IP class	IP67

MATERIAL DATA

Material body	Brass

Material of seals	EPDM
Material seat	Brass
Material of core tube	Stainless steel
Material internal parts	Brass, Stainless steel, Copper
Encapsulation material	PPS (Fibreglass Reinforced)

TEMPERATURE DATA

Temperature ambient from	-10 °C
Temperature ambient to	50 °C
Temperature of media from	-10 °C
Temperature of media to	140 °C

ADDITIONAL DATA

Power consumption	Inrush: 23VA Holding: 14VA
Pressure max	10 bar
Response time	100 ms
Close delay	650 ms
Viscosity max	37 cSt
Continuous duty	ED 100%
Insulation class	F (155°C) on request class H (180°C)
Approvals	UL, WRAS
Weight	1.59 kg