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EMERSON ASCO SOLENOID VALVE SERIES L182-BIG

Diaphragm Pilot Operated Valve

L182BEGYA10AF0
L182B48-ZA10A... 2/2 N.C., G 1 1/4", 0.5-10 bar, 15, NBR (Diaphragm) FPM (Actuator), 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 Series L182-BIG is a diaphragm pilot-operated solenoid valve engineered for the effective control of liquid and gaseous fluids. Featuring a 2/2 normally closed configuration with a full orifice design, it ensures optimal flow and reliable shutoff. Available in G 1 1/4", G 1 1/2", and G 2" sizes, this valve accommodates various piping requirements. Constructed with a brass body and NBR, FPM, or EPDM sealing materials, it offers compatibility with a wide range of media. The valve operates efficiently within an ambient temperature range of -10°C to +50°C and supports fluid temperatures from -10°C up to +140°C, depending on the seal material used.
Designed to handle operating pressure differentials up to 10 bar, the L182-BIG is suitable for various industrial applications requiring dependable fluid shutoff. Its IP67 protection rating ensures resilience against dust and water ingress, making it ideal for challenging environments. The valve's maximum allowable pressure (PS) is 15 bar, and it supports media viscosities up to 5°E (~37 cStokes or mm²/s). Additionally, the L182-BIG is not suitable for use with dangerous fluids. The L182-BIG can be used in industries such as water treatment, HVAC and compressed air systems.

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	NBR, FPM
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	0 °C
Temperature of media to	90 °C

ADDITIONAL DATA

Power consumption	Inrush: 23vA Holding: 14vA
Pressure max	15 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
Weight	1.59 kg