



Spool lock™

uncompromising
performance



Magnet-Schultz of America (MSA) is proud to announce the latest member of the Electro-Hydraulics family of products.

Introducing the Spool-Lock solenoid from MSA.

This newest addition to the already extensive line of hydraulic tubes and coils is up to the task facing the harsh environments required in the mobile hydraulics industry. This revolutionary innovation

from Magnet-Schultz of America is one of the first devices of its kind to withstand submersion and water ingress up to IP-X9¹. The rugged construction of the Spool-Lock also provides protection from temperature extremes.

The Spool-Lock solenoid is another example of how Magnet-Schultz of America is innovative, industry focused and provides **Solutions You Can Build On.**

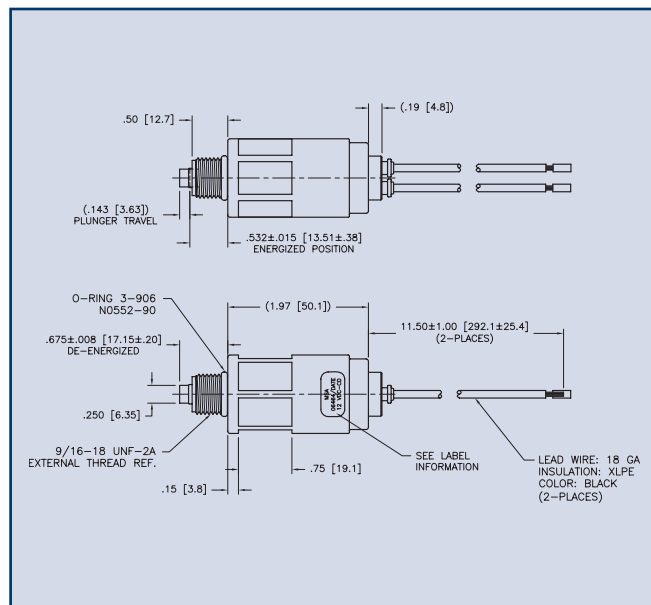
S O L U T I O N S Y O U C A N B U I L D O N





Technical Information and Specifications

MECHANICAL PACKAGING



REFERENCE SPECIFICATIONS (as shown)

- Rated voltage: 12 or 24 VDC ±10%
- Rated current: 0.77Amps (12VDC)
0.39Amps (24VDC)
- Temperature range: -30°C to +90°C
- Force of locking/holding pin in extended position:
De-energized position: 0.41 lbs.[1.82 N]
- Working stroke: 3.6mm (0.14 in.)
- Locking / holding pin diameter: 6.35mm (0.25 in.)
- Duty cycle: 100% continuous
- Recommended torque 40 ft-lbs = 54.23 N-M
(Max 45 ft-lbs = 61.1 N-M)
- RoHS compliant

PERFORMANCE CRITERIA

- Submersible against water ingress up to IP-X9[†]
- Solenoid designed to withstand side load of 800 lbs maximum
- Designed to pass 96 hour salt spray (fog) test (ASTM B117)

ADDITIONAL FEATURES AND OPTIONS



- Can be mounted directly without the need of additional hardware
- Additional voltages available
- Other industry standard mounting thread options
- Various connector types available for wire lead terminations
- Special locking/holding pin diameters available



This icon indicates features where customization is available.

Products are available in standard offerings as well as customized solutions—tailored to fit specific performance requirements.

Reference Specifications and Performance Criteria are based on an expected operating environment as described in MSA engineering specification 990-0100-019.

[†]Based on Magnet-Schultz IP testing procedures. Custom testing / requirements also available. Please contact Magnet-Schultz of America for details.

*Spool-Lock solenoid shown with 9/16-18 UNF-2A mounting.



MAGNET-SCHULTZ OF AMERICA
SPECIALISTS IN ELECTROMAGNETIC DEVICES