HAZARDOUS & EXPLOSION PROOF

EPL17822 Series

Explosion Proof Electromagnetic Locks

Qubits's EPL17822 series explosion proof electromagnetic locks are specifically designed for applications where flammable vapors are cause for concern, like clean room, chemical plant, or refinery environments by eliminating the sparks or arc in the magnetic lock.

IEC/IS Listed for use in hazardous location Gas Group: IIB category EPL GB & Dc atmosphere as per IS/IEC 60079-31:2013. This unit is intended to be used in the following atmospheres

Operating temperature for the magnetic lock will not exceed 85° C. Maximum ambient temperature is not to exceed 40° C. supply connections, use a suitable wire with a minimum insulation temperature rating of 110° C.

This unit must be connected to a NEC (National Electric Code), NFPA 70) class 2 supply circuit rated for 12 VDC with a minimum current output of 1A and output power of 12 watts.

As to standards with which the Electromagnetic Lock complies in respect of

- Electrical equipment for potentially explosive atmosphere IS/IEC 60079-0:2017.
- Flame Proof Protection IS/IEC 60079-1: 2014.
- Ingress Protection IS/IEC 60529: 2001(Reaffirmed 2014).
- Dust ignition protection by enclosure "t" IS/IEC 60079-31: 2013.

Epoxy resin EP41S-6 eliminates any spark or flame within 5 sec.

MODELS

EPL17822
Single Explosion Proof Magnetic Lock, Side Conduit, 600lbs

STANDARD FEATURES

- Hazardous location design
- Explosion proof epoxy sealed
- Corrosion resistant
- Door position status (DPS)
- Interlocking quick mount assembly

YEAR 2 WARRANTY

SPECIFICATIONS

	EPL17822
Housing	SS 316 L
Finish	Mirror finish
Gland Location	left side
Mounting	M6x4 for Lock M8x1 for Armature
Approved Mounting System	L bracket / Z bracket (Approved mounting system are required to maintain-product warranty)
Holding Force	1100 lbs / 500 kg
Dimensions	285 mm x 62 mm x 30mm Housing 160 mm x 44 mm x 10 mm Armature
Weight Lock/Armature	3.06 Kg / 550 gms
Input	+12 VDC ± 10%
Current Consumption	500 mA
IP Rated	IP55
Door Position Status (DPS)	SPDT 1A @ 220 VAC Resistive
Operations	>1 million operations
User Cable	5M -STDFS / 10M / 20M / 25M (The braid protected multi-core user cable supplied has an individual conductor core size of 0.5mm2 or greater. Depending on product variant the core count is between 2-6 cores + earth)
Temperature measurement	T6 at 40°C ambient
Thermal Endurance to heat **Thermal Endrance to cold**	Tested Epoxy Resin COT: -20°C to +210°C

CERTIFICATIONS

CISR - Central Institute of Mining and Fuel Research (Council Scientific and Industrial Research)
Certificate No: CMF 23 INEx 0040

RELATED PRODUCTS

EXPLOSION PROOF EMERGENCY EXIT SWITCH

Hazardous location design for applications where flammable vapors are cause for concern, like clean room, chemical plant, or refinery environments by eliminating sparks.