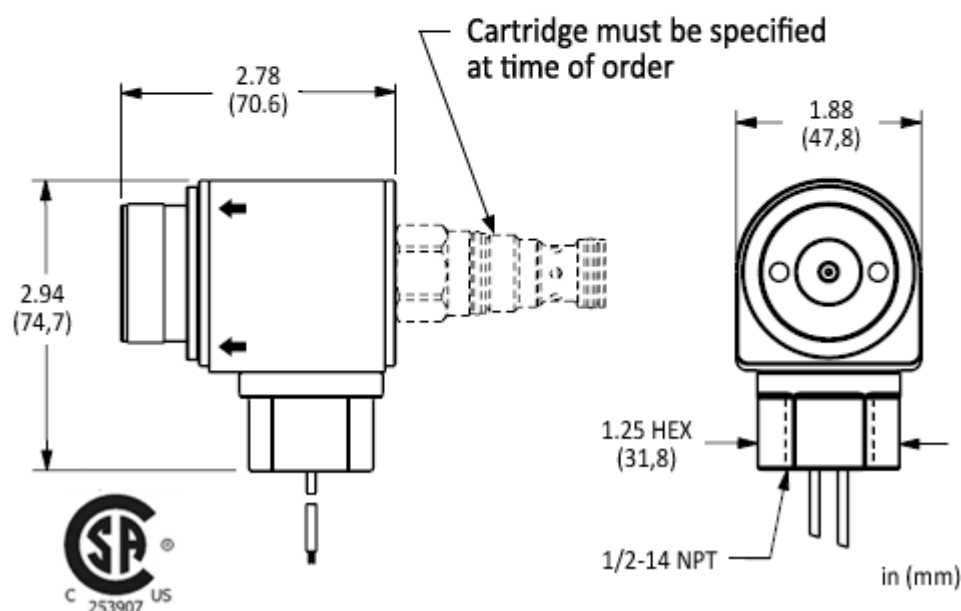
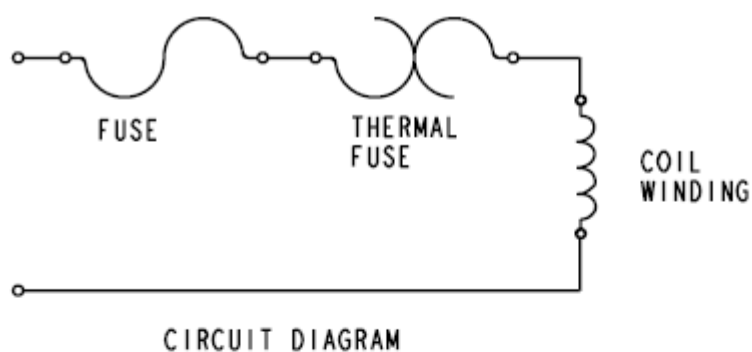


24 VDC explosion proof coil, 1/2" NPT connector

Model:
777-HN24AB

Sun offers explosion proof coils for use in hazardous environments. Certification requires the explosion proof coil to be sold as a complete cartridge/coil assembly. Coil cannot be purchased separately. For ordering information, please see the coil option section on the applicable cartridge product page.



Related Information

777 Series Explosion Proof Coil Data Sheet

Technical Features

- CSA certified, Class I, Division I, Groups A, B, C and D, T3
- Class I, Zone I, AEx mb, Gb, IIC, T3
- Class 2, Division I, Groups E, F and G
- Class III, Division I
- Certification requires the explosion proof coil to be sold as a complete cartridge/coil assembly. Coil cannot be purchased separately.

NEC 500, NEC 505
IP67

- Coil windings utilize NEMA-MW-80, Class F (155 deg C) magnet wire.
- For optimum proportional performance, an amplifier with current sensing and adjustable dither should be used. Dither should be adjustable between 100 - 250 Hz.
- RoHS compliant. Restricted materials less than 0.1% total by weight.
- Integral internal thermal and current fuse protected.
- Coil must be installed on the cartridge with the proper orientation for proper performance. See drawing/instructions.
- This coil is CE compliant.
- IP rating is IP67.
- The external steel shell is zinc plated with yellow dichromate. The coil nut is zinc plated with clear dichromate.
- No arc suppression diodes in coil.

Technical Data

	U.S. Units	Metric Units
Ambient Range	-4 to 104 °F	-20 to 40 °C
Nominal Current	0.93 amps at 68°F (20°C), 24 VDC	
Voltage/Frequency	24 VDC	
Operating Voltage Range	+/- 10% nominal	
Current Fuse (non-resettable)	3 amps	
Thermal Fuse (non-resettable)	378 °F	192 °C
Duty cycle Rating	100 %	
Connector	1/2-14 NPT, Twin lead 18 AWG X 10 ft. (3 m)	
Solenoid Tube Diameter	.75 in.	19 mm
Coil Nut Torque	6 - 7 lbf ft	8 - 9,5 Nm
Model Weight	1.56 lb.	0.71 kg.

777-HN24AB

What models can this kit be used on? (Click Here)

DAAL	DLDA	DMDA	DNDAS	DTCAS	FMDA	HDDA	PSDL
DAALS	DLDAS	DMDAS	DNDY	DTDA	FMDB	HDDAS	PSDP
DBAL	DLDX	DNCA	DNDYS	DTDAS	FPCC	PRDL	RBAP
DBALS	DLDXS	DNDA	DTCA	DWDA	FPCH	PRDP	

Instructions/Notes

- Coil/cartridge assembly can be mounted in any position, however, coil orientation on cartridge assembly is critical. Arrows on coil label must face towards coil nut.
- Coil cannot be purchased separately and must be configured along with the cartridge valve. Please see the applicable cartridge product page for ordering information.
- Sun's explosion proof coil requires more clearance than 770 series coil. Sun manifolds with more than one cavity may not allow enough clearance for explosion proof coils.
- For proportional valve applications, the maximum current of 590mA has been established so a proportional valve can function optimally under a variety of ambient temperatures.