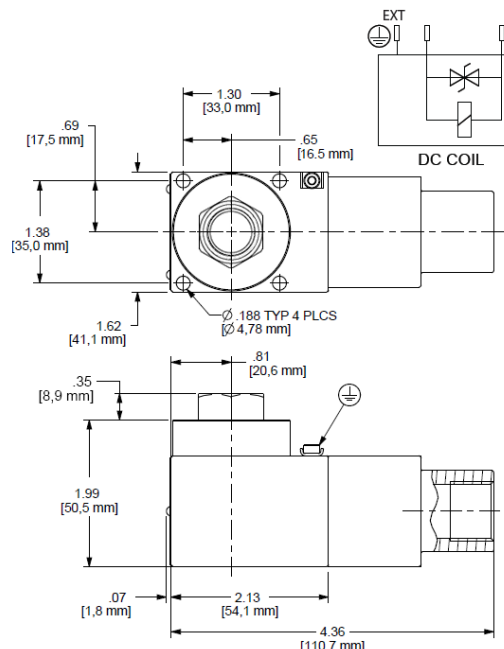
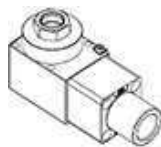




Model 747 Series, hazardous location coils are designed for Sun's FLeX Series switching and proportional solenoid valves. All models include ATEX, IECEx, and NEC, CEC/CSA certifications.

## TECHNICAL DATA

|                                             |                            |
|---------------------------------------------|----------------------------|
| Operating Temperature Range                 | -40 to 50 °C               |
| Power Consumption (cold) - at rated voltage | 30 Watts                   |
| Voltage/Frequency                           | 12 VDC                     |
| Duty Cycle Rating                           | 100 %                      |
| Connector                                   | M20 x 1.5 female connector |
| Coil Nut Torque                             | 0,5 Nm                     |

## NOTES

- 1. Mount coil onto spool (tube) body.
- 2. A cable entry hole is provided to accommodate any suitable certified flameproof cable entry device. Cable entry temperature may exceed 70° C (158° F).
- 3. Remove terminal box cover and connect electrical supply and earth to terminal block. Conductors according to Note 4. Note: coil is polarity insensitive. The center terminal is the internal ground. Replace cover and secure with the four screws (M4 x .7). Torque to min 1.92
- 4. Connect external ground. North American applications: external earth (ground) connections. Use where local codes or authorities permit or require external earth (ground) connections. Torque to 1.25 ft-lbs (1.7 N-m).
- 5. When installing with multiple coils, the coils must be spaced a minimum of 0.875" (22.23 mm) apart to ensure adequate heat dissipation.
- 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.
- For installation in above-ground electrical systems in explosive atmospheres, procedures for all applicable codes must be observed. All work must be carried out by an electrician with adequate qualifications for hazardous locations.

## USED WITH

|           |           |           |           |        |        |      |      |      |      |
|-----------|-----------|-----------|-----------|--------|--------|------|------|------|------|
| DFBD      | DFBE      | DFBF      | DFBG      | DTAF   | DTBF   | FPBF | FPBG | FPBI | FPBJ |
| 991711300 | 991711600 | 991712300 | 991712600 | XMD-01 | XMD-02 |      |      |      |      |