

| REVISIONS LIST |       |                 |      |       |
|----------------|-------|-----------------|------|-------|
| REV            | ECO # | DESCRIPTION     | DATE | APV'D |
| A              |       | Initial Release |      |       |

SPECIFICATIONS (UL Certified Inserts Only)

Mechanical

Durability 500 Cycles

Electrical

Current Rating (Max)

16 Gauge 13.0 A  
 12 Gauge 23.0 A  
 8 Gauge 46.0 A  
 4 Gauge 80.0 A  
 0 Gauge 150.0 A

Voltage

Test (rms)

Service Level Inst 1000 VAC  
 Service Level A 2000 VAC  
 Service Level B 4500 VAC  
 Service Level C 7000 VAC  
 Service Level D 2800 VAC  
 Service Level E 3500 VAC

Working (VDC/VAC)

Service Level Inst 250/200  
 Service Level A 700/500  
 Service Level B 2450/1750  
 Service Level C 4200/3000  
 Service Level D 1250/900  
 Service Level E 1750/1250

Insulation Resistance (@500 VDC) 5000 MΩ

Environmental

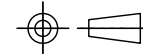
Operating Temperature (Max) +125°C  
 Salt Spray  
 Electrophoresis Green (Non-Conductive) 96 Hrs  
 Electroless Nickel (Conductive) 48 Hrs  
 Vibration (10-500Hz) (3 Axis) 90 Min (No Damage)

| Shell Size | A Thread (Class: 2B) | B ±0.50 | C ±0.30 | D ±5.0 | E Thread (Class: 2A) |
|------------|----------------------|---------|---------|--------|----------------------|
| 10S        | 0.625-24             | 22.0    | 11.2    | 39.5   | 0.500-24             |
| 10SL       | 0.625-24             | 22.0    | 11.2    | 39.5   | 0.625-24             |
| 14S        | 0.875-20             | 29.0    | 16.9    | 40.5   | 0.750-20             |
| 16S        | 1.000-20             | 31.4    | 20.3    | 44.0   | 0.875-20             |
| 16         | 1.000-20             | 31.4    | 20.3    | 49.0   | 0.875-20             |
| 18         | 1.125-18             | 34.5    | 23.3    | 49.0   | 1.000-20             |
| 20         | 1.250-18             | 37.5    | 26.6    | 55.5   | 1.1875-18            |
| 22         | 1.375-18             | 41.0    | 29.8    | 55.5   | 1.1875-18            |
| 24         | 1.500-18             | 43.2    | 33.0    | 57.5   | 1.4375-18            |
| 28         | 1.750-18             | 50.0    | 38.6    | 57.7   | 1.4375-18            |
| 32         | 2.000-18             | 56.0    | 44.7    | 59.5   | 1.750-18             |
| 36         | 2.250-16             | 62.5    | 50.2    | 61.0   | 2.000-18             |
| 40         | 2.500-16             | 69.0    | 56.5    | 61.0   | 2.250-18             |

| No. | Name    | Material                    | Finish/Remarks              |
|-----|---------|-----------------------------|-----------------------------|
| 1   | Shell   | Aluminum                    |                             |
| 2   | Insert  | Silicone Rubber or Neoprene | Silicone Rubber is (UL V-0) |
| 3   | Contact | Brass                       | Silver or Gold Plated       |

UNLESS NOTED TOLERANCES ARE:  
 .X ± 0.38  
 .XX ± 0.25  
 ANGLES ± 1°

THIRD ANGLE PROJECTION



1170 S. PATTON ST.  
 XENIA, OHIO 45385  
 PH: (937) 374-2700  
 FX: (937) 374-2717

|               |                |  |                              |        |
|---------------|----------------|--|------------------------------|--------|
| UNIT: mm      | DRWN: RLM      | THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF SPI AND SHALL NOT BE COPIED, USED OR RE-PRODUCED WITHOUT PERMISSION. | TITLE                        |        |
| SCALE: NTS    | DATE: 01/10/18 |  | Commercial 5015 Plug         |        |
|               | CHK'D: TRH     |  | SPI P/N: S-MS3X06XXX-XXXX-XX | REV: A |
| SHEET: 1 OF 2 | APV'D: TRH     | CUSTOMER P/N:  |                              |        |