Description

The ISS-101 switches are UL 913 listed as an associated apparatus for interfacing between hazardous and non-hazardous areas. These units must be installed in a non-hazardous area.

Must use Model OT08PC socket for UL Rating!

Note: Manufacturer’s recommended screw terminal torque for the OT Series Octal Sockets is 12 in.-lbs.

Features & Benefits

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>BENEFITS</th>
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</thead>
<tbody>
<tr>
<td>Compact design for DIN rail or surface mount via octal base</td>
<td>Allows flexibility in panel installation</td>
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<tr>
<td>LED status indicator</td>
<td>Visual indication of relay engagement</td>
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<tr>
<td>Isolated output relay</td>
<td>Allows connection to PLC or control voltage</td>
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<tr>
<td>Standard 8-pin socket</td>
<td>Pop-in replacement for other manufacturers’ parts</td>
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Accessories (included)

OT08PC 8-pin Octal Socket

Octal Socket for plug-in units. 8-pin surface & DIN rail mountable. Rated for 10A @ 600VAC.

Specifications

- **Input Characteristics**
  - Supply Voltage: 90-120VAC

- **Functional Characteristics**
  - Probe Sense Voltage: 5VDC continuous

- **Output Characteristics**
  - Output Contact Rating:
    - Pilot Duty: 180VA @120VAC, C300
    - General Purpose: 8A @120VAC

- **Relay Contact Life**
  - (Electrical): 100,000 cycles min. @ rated load
  - (Mechanical): 10,000,000 cycles

- **General Characteristics**
  - Temperature Range: -20° to 55°C (-4° to 131°F)
  - Maximum Input Power: 1.5 W
  - Wire range: 12 to 20 AWG
  - Terminal Torque: 3.5 to 4.5 in.-lbs. (max. 4.5 in.-lbs.)
  - Provides intrinsically-safe circuits in the following locations:
    - Division 1 and 2
    - Class I, Groups A,B,C,D;
    - Class II, Groups E,F,G;
    - and Class III

- **Entity Parameters**
  - \( V_{oc} = 16.8 \) V
  - \( I_{sc} = 1.2mA \)
  - \( L_{r} = 100\text{mH} \)
  - \( C_{a} = 0.39\text{uF} \)
  - \( V_{oc} = 9\cdot V_{oc}\cdot I_{sc} \)
Standards Passed

Electrostatic Discharge (ESD)  IEC 61000-4-2, Level 3, 6kV contact, 8kV air
Radio Frequency
  Immunity (RFI)  IEC 61000-4-3, Level 3, 10V/m
  Fast Transients  IEC 61000-4-4, Level 3, 4kV input power
Safety Mark  UL913 Sixth Edition (File #E233355)
Dimensions  H 44.45 mm (1.75"), W 60.33 mm (2.375"), D 104.78 mm (4.125"
Weight  0.5 lb. (8 oz., 226.8 g)
Mounting Method  DIN rail or surface mount (plug into OT08PC socket)