IRT Series
Rectangular Multi Pole Power Connector
Plug Shell Size 01 Connector
Assembly for Metallic Gland

Series IRT Multi Pole Power Connector
Connector Shell Size 01 (3 Contacts Screw Matings)
Shell Style P (Plug)
Number of Contacts 3

Modification
Omitted (for Standard)
B0 (Connector Less Contacts)

Backend
Metallic Gland (M)

Contact Gender
P - Male
S - Female

Contact Type
Different types can be used:
1 ; 2 ; 3 .... : All Same Contact type
Example 2(1)-1(2) Different Contact Types
(See Table 1)

Application Notes:
- Plug with metallic gland. RoHs compliant.
- Working voltage: 1500 Vac.
- Test voltage: 4500 Vac.
- Water proof: IP67 level (coupled connectors).
- Contact resistance: 0.3 mΩ max.
- Temperature range: -55 + 125°C.
- Contact: copper alloy silver plating.
- Shell: Aluminium alloy with electrodeposited black plating.
- Clearance in air: 16.0 mm Min.
- Creepage distance: 16.0 mm Min.
TABLE 1 - CONTACTS

<table>
<thead>
<tr>
<th>Contact Type</th>
<th>Male Contact P/N</th>
<th>Female Contact P/N</th>
<th>Crimp Bucket - A - (mm)</th>
<th>Cable Section (AWG)</th>
<th>Cable Section (mm²)</th>
<th>Cable Diameter (mm²)</th>
<th>Working Current (A) *</th>
<th>Max Current (A) *</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>IRT-1-P-620G10</td>
<td>IRT-1-S-620G10</td>
<td>6.2</td>
<td>4</td>
<td>25</td>
<td>6</td>
<td>120</td>
<td>150</td>
</tr>
<tr>
<td>2</td>
<td>IRT-2-P-1070G10</td>
<td>IRT-2-S-1070G10</td>
<td>10.7</td>
<td>1/0</td>
<td>50</td>
<td>10</td>
<td>150</td>
<td>250</td>
</tr>
<tr>
<td>3</td>
<td>IRT-3-P-1650G10</td>
<td>IRT-3-S-1650G10</td>
<td>16.5</td>
<td>4/0</td>
<td>120</td>
<td>16</td>
<td>350</td>
<td>450</td>
</tr>
<tr>
<td>3A</td>
<td>IRT-3-P-1440G10</td>
<td>IRT-3-S-1440G10</td>
<td>14.4</td>
<td>2/0</td>
<td>70</td>
<td>10</td>
<td>250</td>
<td>300</td>
</tr>
<tr>
<td>3B</td>
<td>IRT-3-P-1440G10</td>
<td>IRT-3-S-1440G10</td>
<td>14.4</td>
<td>3/0</td>
<td>95</td>
<td>12.5</td>
<td>320</td>
<td>400</td>
</tr>
</tbody>
</table>

* Related to cables section