Front Panel Mount Square Flange Receptacle Assembly
with Backshell for use with Metric Cable Glands

Connector/Backshell Class
A - Non-Environmental; Supplied with Backshell Only
R - Environmental; Supplied with Backshell and Grommet

Alternate Insert Rotation
(W, X, Y, Z) Omit for Normal (See Section A)

Mod Code Option
(See Table II)

Contact Gender
P - Pin
S - Socket

Metric Thread Size
(See Table I)

Shell Size and Insert Arrangement
(See Section A)

XX  ITS  31  00  A  20-27  P  Y  FM25  XXX

XX ITS 31 00 A 20-27 P Y FM25 XXX

1. Front panel mount square flange receptacle assembly with backshell for use with metric cable glands (not included). Through mounting holes.
2. Connector/Backshell Class “A” (non-environmental)—Not supplied with wire sealing grommet;
   Class “R” (environmental)—Supplied with grommet.
3. Standard materials configuration consists of aluminum alloy. For platings, see TABLE II finish options.
4. Standard contact material consists of copper alloy with silver plating or gold plating.
5. Metric cable gland not included.

Application Notes
ITS 3100 A FM and ITS 3100 R FM
ITS 4100 A FM and ITS 4100 R FM
Front Panel Mount Square Flange Receptacle Assembly
with Backshell for use with Metric Cable Glands

TABLE I: DIMENSIONS

<table>
<thead>
<tr>
<th>Shell Size</th>
<th>ØA ±0.2</th>
<th>K ±0.2</th>
<th>L Max.</th>
<th>M +0.4 -0</th>
<th>M Thread</th>
<th>Other M Threads available on request</th>
<th>R ±0.2</th>
<th>S ±0.2</th>
<th>ØT +0.1 -0</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 SL</td>
<td>18.2</td>
<td>2.8</td>
<td>52.0</td>
<td>14.2</td>
<td>M 12X1,5</td>
<td>M 16X1,5</td>
<td>18.25</td>
<td>25.4</td>
<td>3.2</td>
</tr>
<tr>
<td>14 S</td>
<td>24.5</td>
<td>3.2</td>
<td>54.5</td>
<td>14.2</td>
<td>M 16X1,5</td>
<td>M 16X1,5</td>
<td>23.00</td>
<td>30.4</td>
<td>3.2</td>
</tr>
<tr>
<td>16 S</td>
<td>27.2</td>
<td>3.2</td>
<td>70.0</td>
<td>19.0</td>
<td>M 16X1,5</td>
<td>M 16X1,5</td>
<td>24.60</td>
<td>32.5</td>
<td>3.2</td>
</tr>
<tr>
<td>18</td>
<td>30.7</td>
<td>4.0</td>
<td>71.0</td>
<td>19.0</td>
<td>M 20X1,5</td>
<td>M 25X1,5</td>
<td>27.00</td>
<td>35.0</td>
<td>3.2</td>
</tr>
<tr>
<td>20</td>
<td>34.0</td>
<td>4.0</td>
<td>71.5</td>
<td>19.0</td>
<td>M 25X1,5</td>
<td>M 25X1,5</td>
<td>29.40</td>
<td>38.0</td>
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<tr>
<td>22</td>
<td>37.3</td>
<td>4.0</td>
<td>71.5</td>
<td>19.0</td>
<td>M 25X1,5</td>
<td>M 25X1,5</td>
<td>31.75</td>
<td>41.0</td>
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<tr>
<td>24</td>
<td>40.9</td>
<td>4.0</td>
<td>71.5</td>
<td>20.6</td>
<td>M 32X1,5</td>
<td>M 32X1,5</td>
<td>34.90</td>
<td>44.5</td>
<td>3.7</td>
</tr>
<tr>
<td>28</td>
<td>46.7</td>
<td>4.0</td>
<td>71.5</td>
<td>20.6</td>
<td>M 32X1,5</td>
<td>M 32X1,5</td>
<td>39.70</td>
<td>50.9</td>
<td>3.7</td>
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<tr>
<td>32</td>
<td>53.4</td>
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<td>84.0</td>
<td>22.2</td>
<td>M 36X1,5</td>
<td>M 36X1,5</td>
<td>44.50</td>
<td>57.0</td>
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<tr>
<td>36</td>
<td>59.6</td>
<td>4.0</td>
<td>109.0</td>
<td>22.2</td>
<td>M 40X1,5</td>
<td>M 40X1,5</td>
<td>49.20</td>
<td>63.5</td>
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<tr>
<td>40</td>
<td>65.5</td>
<td>4.0</td>
<td>109.0</td>
<td>22.2</td>
<td>M 40X1,5</td>
<td>M 40X1,5</td>
<td>55.55</td>
<td>69.9</td>
<td>4.3</td>
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TABLE II: MODIFICATION CODES

CONTACT OPTIONS

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<tr>
<th>Sym</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>B0</td>
<td>Connector Less Contacts</td>
</tr>
<tr>
<td>B1</td>
<td>Connector with Gold Plated Contacts</td>
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</table>

Omit for standard version (Silver plated)

STANDARD MATERIAL AND FINISH (*)

<table>
<thead>
<tr>
<th>Sym</th>
<th>Description</th>
<th>RoHS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Omit for Aluminum/ Cadmium Olive Drab</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>F6</td>
<td>Aluminum/ Black Electrodeposited Paint</td>
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</tr>
<tr>
<td>F7</td>
<td>Aluminum/ Black Zinc Nickel</td>
<td>✓</td>
</tr>
<tr>
<td>F11</td>
<td>Aluminum/ Electroless Nickel</td>
<td>✓</td>
</tr>
<tr>
<td>MB</td>
<td>Marine Bronze/ Unplated</td>
<td>✓</td>
</tr>
<tr>
<td>FK</td>
<td>Stainless Steel/ Passivate</td>
<td>✓</td>
</tr>
</tbody>
</table>

(*) For further options, please contact the factory.

TABLE III

ELASTOMER OPTIONS

<table>
<thead>
<tr>
<th>Sym</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Omit for Polychloroprene Elastomer</td>
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</tr>
<tr>
<td>FR</td>
<td>Fire Resistant Elastomer</td>
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<tr>
<td>S</td>
<td>Silicone Elastomer</td>
</tr>
</tbody>
</table>

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