M12 Field Attachable Connectors

Male, 3-, 4-, 5-, and 8-Pole
Field attachable connector, M12 male connector, 3-, 4-, 5-, and 8-pole with threaded joint, assembling with screw terminals.

Female, 3-, 4-, 5-, and 8-Pole
Field attachable connector, M12 female connector, 3-, 4-, 5-, and 8-pole with threaded joint, assembling with screw terminals.

Pin Assignments

<table>
<thead>
<tr>
<th>Face Views / M12, Male / Female</th>
<th>3 pole</th>
<th>4 pole</th>
<th>5 pole</th>
<th>8 pole</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><img src="image" alt="3 pole" /></td>
<td><img src="image" alt="4 pole" /></td>
<td><img src="image" alt="5 pole" /></td>
<td><img src="image" alt="8 pole" /></td>
</tr>
</tbody>
</table>
M12 Field Attachable Connectors
RSC | RKC

Technical Data

Environmental
Degree of protection: IP 67 / NEMA 6P
Operating temperature range: -25°C (-13°F) / +90°C (+194°F)

Mechanical
Housing / Molded body: PBT
Insert: PBT
Contact: CuZn, pre-coppered, CuSnZn
8-poles pre-nickel, gold-plated
Receptacle shell: CuZn, nickel-plated
O-ring: FKM
Mode of connection: Screw terminals
Connectable conductor:
3–5 poles max. 0.75 mm²
8 poles max. 0.50 mm²

Electrical
Contact resistance: ≤ 5 mΩ
Nominal current at 40°C:
3–5 poles 4 A
8 poles 2 A
Nominal voltage:
3–4 poles 240 V
5 poles 60 V
8 poles 30 V
Rated voltage:
3–4 poles 250 V
5 poles 63 V
8 poles 36 V
Test voltage:
3–4 poles 2.0 kV eff. / 60 s
5 poles 1.5 kV eff. / 60 s
8 poles 0.9 kV eff. / 60 s
Insulation resistance: > 10⁹ Ω
Pollution degree: 3

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Pins</th>
<th>Cable Diameter Range</th>
<th>Characteristics</th>
</tr>
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<tbody>
<tr>
<td>Male</td>
<td>Female</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RSC 3/7</td>
<td>RKC 4/3/7</td>
<td>3</td>
<td>Ø 3.0-6.5 mm /SW 15</td>
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<td>RSC 3/9</td>
<td>RKC 4/3/9</td>
<td>Ø 4.0-8.0 mm /SW 19</td>
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<td>RKC 5/7</td>
<td>5</td>
<td>Ø 3.0-6.5 mm /SW 15</td>
</tr>
<tr>
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<td>RKC 5/9</td>
<td>Ø 4.0-8.0 mm /SW 19</td>
<td></td>
</tr>
<tr>
<td>RSC 8/9</td>
<td>RKC 8/9</td>
<td>8</td>
<td>Ø 4.0-8.0 mm /SW 19</td>
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