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>3 pole</td>
<td><img src="image" alt="3 pole" /></td>
<td><img src="image" alt="4 pole" /></td>
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</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
9-poles pre-nickeled, 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  3–4 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

Part Number Pins Cable Diameter Range Characteristics

Male | Female |  |  |
--- | --- | --- | --- |
RSC 3/7 | RKC 4/3/7 | 3 | Ø 3.0-6.5 mm /SW 15 |
RSC 3/9 | RKC 4/3/9 | Ø 4.0-8.0 mm /SW 19 |
RSC 4/7 | RKC 4/7 | 4 | Ø 3.0-6.5 mm /SW 15 |
RSC 4/9 | RKC 4/9 | Ø 4.0-8.0 mm /SW 19 |
RSC 5/7 | RKC 5/7 | 5 | Ø 3.0-6.5 mm /SW 15 |
RSC 5/9 | RKC 5/9 | Ø 4.0-8.0 mm /SW 19 |
RSC 8/9 | RKC 8/9 | 8 | Ø 4.0-8.0 mm /SW 19 |