Male and Female Sensor/Actuator Connectors for Free Assembly, Shielded

Individual conductor lengths and EMC-designed installations are possible using the M 12 connectors which can be shielded and have male and female contacts for free assembly. The connectors with sturdy metal housing increase system safety and availability. Brought into contact, the shielded conductors considerably dampen interfering signals, thus improving the transmission of signals. When plugged in, the connectors fulfill the requirements of IP 67 protection.

Assembly steps for M 12 male/female connector and conductor

Slide parts onto the conductor

Strip conductor, widen shield and lay around the shielding ring, cut off projecting mesh.

Slide cores through the housing, mount shielding ring, gasket and clamping cage. Tighten pressure screw to fix the cable. Screw down cores, mount male/female connector part and tighten pressure screw.
SACC-M12FS-...CON-PG...SH
M12 female connectors, shielded, straight version

<table>
<thead>
<tr>
<th>Type</th>
<th>Order No.</th>
<th>Pcs/Pkt.</th>
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<tbody>
<tr>
<td>SACC-M12FS-4CON-PG 7-SH</td>
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<td>SACC-M12FS-5CON-PG 7-SH</td>
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<td>SACC-M12FS-5CON-PG 9-SH</td>
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SACC-M8...CON-M-SH
Male/female connectors, M 8, shielded

<table>
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<th>Type</th>
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<td>15 06 93 0</td>
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</table>

Pin assignments

- **M 8 male connector**
  - 1(+)
  - 3(-)
  - 3(-) O
  - 1(+)

- **M 8 female connector**
  - 4(S)
  - 3-pos.

4-pos.

- 4-pos. 125 / 150 // 5-pos. 30 / 36
- 4-pos. 1250 // 5-pos. 1000

- ≤ 8
- ≤ 10^{-2}
- ≥ 10^{-2}
- ≥ 10^{-2}

- CuSnZn / Ni
- 0.25 / 24 - 16
- IP 67
- PA
- HB

Attenuation curve of the SACC... male/female connectors

Assembly steps for M 8 male/female connector and conductor

1. Slide parts onto the conductor
2. Strip conductor, widen shield and lay around the shielding ring, cut off projecting mesh.
3. Slide cores through the housing, mount shielding ring, gasket and clamping cage. Tighten pressure screw to fix the cable.
4. Solder on cores, mount male/female connector part and tighten pressure screw.