Fuel tank connectors
Apex

FCi

4 & 6 way sealed connector system for 2.8 mm terminals

4 & 6 female housing:
- Waterproof application with grommet
- Single row 5.25 mm pitch for 4 position female housing
- Double row 5.25 x 6.40 mm pitch for 6 position female housing
- Terminal position assurance (T.P.A.)
- Connector position assurance (C.P.A.)
- Colour codings available

4 & 6 position through flange male connector:
- Single row 5.25 mm pitch for 4 position male housing
- Double row 5.25 x 6.40 mm pitch for 6 position male housing
- Waterproof application with O-ring or grommet (for 4 position male housing only)
- Colour codings available

4 position low permeation male connector:
- Moulded-in 2.8 mm male terminals
- Single row 5.25 mm pitch
- Colour codings available

Performance characteristics

- Temperature range: from -40°C to +85°C
- Contact retention force: > 90 N
- Contact insertion force: < 30 N
- Connector mating force: < 75 N

Construction

- Housing material:
  - Polyamide for female housing
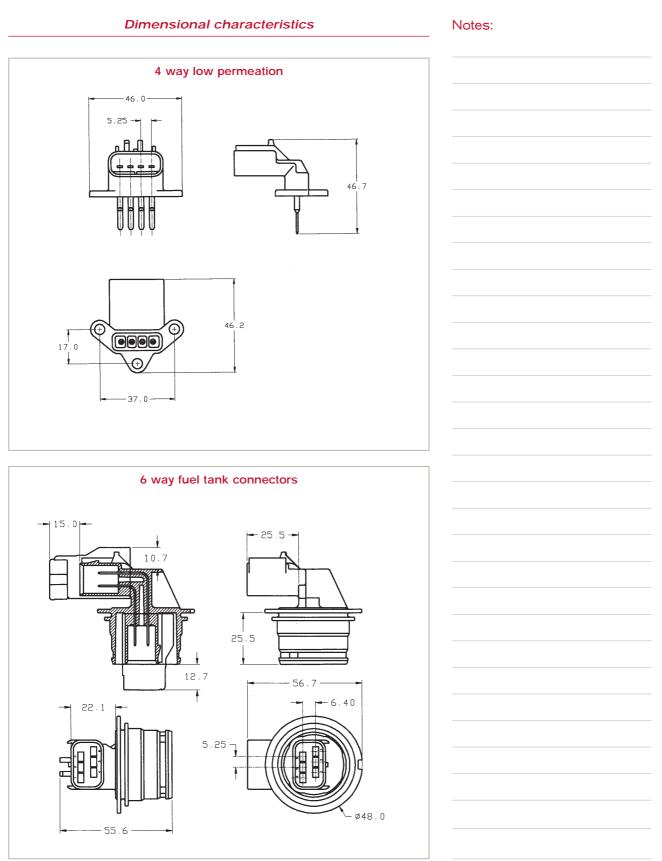 - POM for fuel male connector
- O-ring seal: Silicone

- Rear grommet seal: Silicone
- Tab material and plating: CuFePMg/Sn

Connector compatibility

- Usable terminals: Apex 2.8 mm female terminals

Part Numbers	No. of Position	Terminal size	Waterproof	Type	Colour
54200410	4	2.8 mm	Yes	Female housing	Light grey
54200402	4	2.8 mm	No	Female housing	Light grey
54200417	4	2.8 mm	Yes (with grommet)	Through flange male connector	Light grey
54200418	4	2.8 mm	Yes (with grommet)	Through flange male connector	Natural
54200419	4	2.8 mm	Yes (with O-ring))	Through flange male connector	Black
54200420	4	2.8 mm	Yes (press-fit)	Low permeation male connector	Light grey
54200609	6	2.8 mm	Yes	Female housing	Light grey
54200601	6	2.8 mm	No	Female housing	Light grey
54200618	6	2.8 mm	Yes (with O-ring)	Male fuel connector	Black
54200619	6	2.8 mm	Yes (with O-ring)	Male fuel connector	Light grey

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Dimensional characteristics

Notes:

4 way low permeation

46.0
5.25
46.7
46.2
17.0
37.0

6 way fuel tank connectors

15.0
10.7
25.5
25.5
12.7
22.1
56.7
6.40
5.25
ø48.0
55.6

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Dimensional characteristics

Notes:

4 way fuel tank connectors (grommet design)

7.7
53.7
48.2
25.0
14.2
13.8
5.25
Ø38.0
27.0 5.25
48.4
53.1

4 way fuel tank connectors (O-ring design)

14.3
7.7
53.7
48.2
25.0
14.1
Ø48.0
27.0
5.25
53.3