



Product
Applications



Terminal
System
Overview



Housing
Overview

Component-to-wire connectors FCI

DCS-1

5/7 way sealed female housings for 2.8 mm terminals

Features

- 5-7 position housings available
- 5 mm pitch
- Waterproof application with single wire seal
- Flat interface seal
- Additional terminal locking device pre-assembled on front part of the housing
- Metal locking feature
- Mechanical polarization
- Several key codes available
- Several colours available

Performance characteristics

- Temperature range:
from -40° C to +120° C
- Contact retention force: > 80 N
- Contact insertion force:
< 20 N for DCS-1 standard version
< 15 N for DCS-1 box version
- Connector mating force: < 90 N
- Sealing protection: IP 67
- Acceptable wire range:
from 0.35 to 1.5 mm²

Construction

- Housing material: PBT
- Flat interface seal: Silicone

Tooling

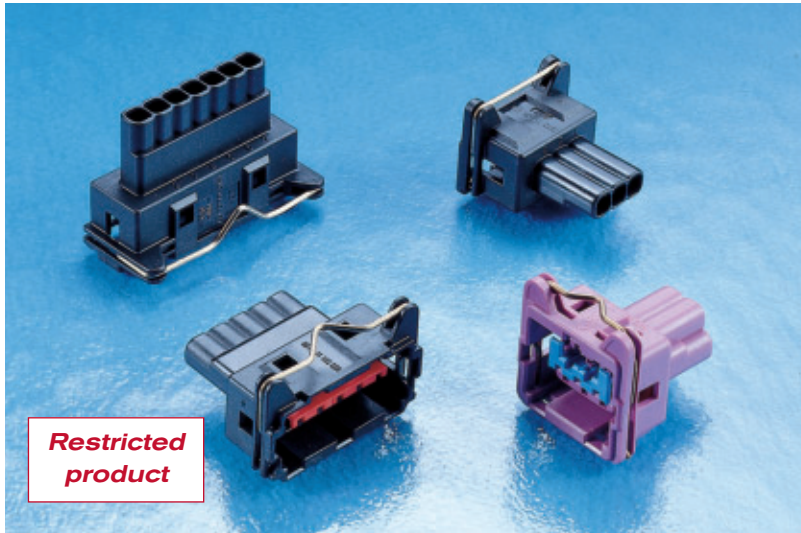
- Front device removal tool: 6 590 0000
- Terminal removal tool: 6 590 18 00

Connector compatibility

- Usable terminals:
 - DCS-1 2.8 mm female terminals (standard version)
 - DCS-1 2.8 mm female terminals (power version)
 - DCS-1 2.8 mm female terminals (box version)

Overview of DCS housings

Part Numbers	No. of Position	Terminal size & type	Waterproof	Code	Colour
6 040 04 01	5	2.8 mm DCS-1 Standard/Power	Yes	None	Black
6 040 50 01	5	2.8 mm DCS-1 Box	Yes	None	Black
6 020 05 51 (non restricted)	7	2.8 mm DCS-1 Standard/Power	Yes		Black
6 040 05 01	7	2.8 mm DCS-1 Standard/Power	Yes	1	Black
6 040 05 11	7	2.8 mm DCS-1 Standard/Power	Yes	2	Black





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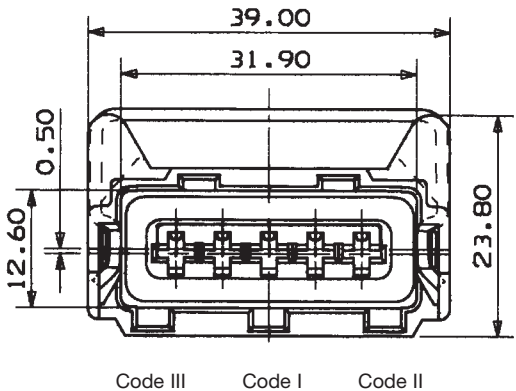
DCS-1

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Dimensional characteristics

Notes:

5 way housing



7 way housing

