

Component-to-wire connectors **FCI**

DCS-1

2 way sealed female housings for 2.8 mm terminals

Features

- 5 mm pitch
- Flat interface seal
- Waterproof application with single wire seal
- Additional terminal locking device pre-assembled on front part of the housing
- Metal locking feature
- Mechanical polarization
- Several 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: < 75 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:
Consult us
- Terminal removal tool: Consult us

Connector compatibility

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

Part Numbers	No. of position	Terminal size	Waterproof	Type	Code	Colour
6 020 04 01	2	2.8 mm Standard/Power	No	Fuel injection type	No	Black
6 040 02 01	2	2.8 mm Standard/Power	Yes	Fuel injection type	No	Black
6 040 29 11	2	2.8 mm Standard/Power	Yes	Fuel injection type	No	Black
6 020 07 01	2	2.8 mm Standard/Power	No	90° version	No	Black
6 040 06 01	2	2.8 mm Standard/Power	Yes	90° version	No	Black
6 040 16 01	2	2.8 mm Standard/Power	Yes	Standard version	Possible	Black
6 040 14 09	2	2.8 mm Standard/Power	Yes	Standard version	No	Violet
6 040 19 01	2	2.8 mm Standard/Power	Yes	Standard version	No	Black
6 020 26 01	2	2.8 mm Box	No	Fuel injection type	No	Black
6 040 37 01	2	2.8 mm Box	Yes	Fuel injection type	No	Black
6 040 49 01	2	2.8 mm Box	Yes	Fuel injection type	No	Black
6 020 28 01	2	2.8 mm Box	No	90° version	No	Black
6 040 39 01	2	2.8 mm Box	Yes	90° version	No	Black
6 040 47 01	2	2.8 mm Box	Yes	Standard version	Possible	Black
6 040 48 01	2	2.8 mm Box	Yes	Standard version	No	Black

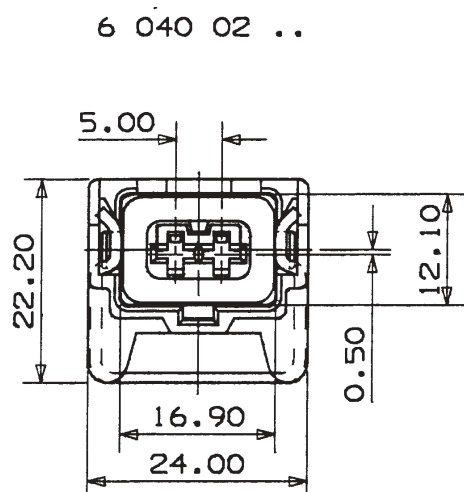
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DCS-1

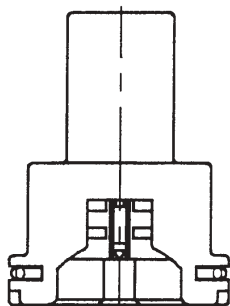
2 way sealed female housings for 2.8 mm terminals

Dimensional characteristics

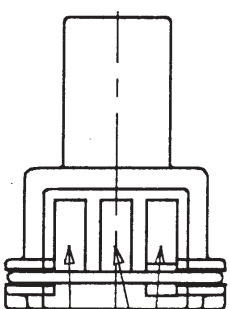
Female housing



6 040 02 ..

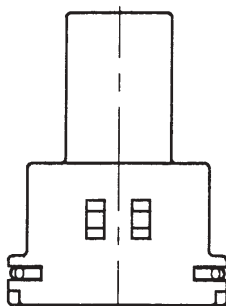


6 040 16 ..

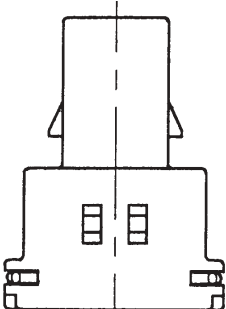


KEY III
KEY I
KEY II

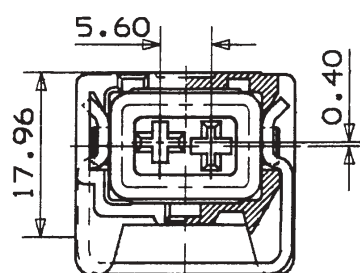
6 040 14 ..



6 040 19 ..

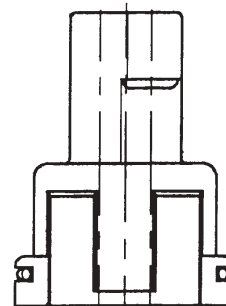


6 040 06 ..

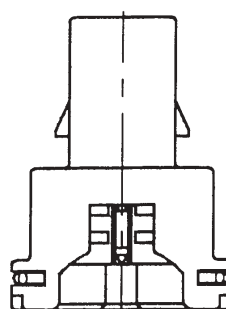


ONE CAVITY TURNED
ABOUT 90°

6 040 06 ..



6 040 29 ..



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2 way component-to-wire Female housing

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Specifications

General Mechanical Physical Terminal 1 Type Environmental Other Features

General

Application	Component to Wire
Ways	2
Coding version	Black
Product Type	Housing
Coding	Yes
Family	Engine Compartment Connectors
	Mechanical Polarization
	Sealing Protection IP 67

Features	Metal Locking Feature Flat Interface Seal Additional Terminal Locking Device Pre - Assembled on Front Part of the Housing Waterproof Application with Single Wire Seal Acceptable Wire Size Range from 0.35 to 1.5 mm²
Hybrid	No
Main Terminal family	DCS-1
Main Terminal size	2.8 mm
Sealed	Yes
Terminal Size	2.8
Version	Standard Version - Code Possible
<u>Mechanical</u>	
Connector mating force	< 75N
<u>Physical</u>	
Color	Black
Material	PBT
Temperature (Range)	-40°C to +120°C
<u>Terminal 1 Type</u>	
Terminal type 1	DCS-1 Box Female 2.8 mm Terminal
Ways for Terminal Type 1	2
Contact insertion force for Terminal Type 1	< 15N
Contact Pitch for Terminal Type 1	5 mm
Retention force (Contact) for Terminal Type 1	> 80N
<u>Environmental</u>	
IMDS	Yes
<u>Other Features</u>	
Type	Female
Disclaimer	For more information, please contact your local sales office. Displayed data is for information purposes only. The supply of some products might be limited to some customers.

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