

Product Overview

The ACS/ATS system is a sealed 2.8mm connecting system, developed particularly for sensor applications in the engine compartment. The housing family contains only shrouded versions. The ATS is used where high requirements of security and efficiency of a contact regarding resistance to vibrations and temperature resistance exist (e.g. sensor connections). The connector socket contact is a two-piece contact member system whereby an internal spring element minimizes axes' micro-movements between all pin and case spaces. The basic contact provides four edge contacts for a good electrical connection. The steel sleeve guarantees on the one hand a firm placement in the contact cavity and provides on the other hand for safe and/or temperature-steady contacting force support.

Market Segments

Automotive
Truck/Bus

Features and Benefits

Active Connection System (ACS)

- Sealed connectors for 2,8 mm terminals
- High vibration performance
- Cavities compatible to JPT, DS and ATS Terminals
- Shrouded Contact area
- Optional rear TPA or grommet
- 2, 3, 4, 5 way connector family
- Protected locking arm
- Different codlings and colors available
- With and without slider versions
- Mates competitive standard devices

Active Terminal System (ATS)

- 2 piece terminal design, 4 contact arms
- Spring in box eliminates micro vibration
- For sealed application
- ATS targeted to eliminate fretting corrosion
- Especially for motor applications
- High vibration application
- Operating temperature $-40...135^{\circ}\text{C}$, tin plated, $-40...150^{\circ}\text{C}$, HT/tin plated, $-40...170^{\circ}\text{C}$, gold plated.



Application Guidelines

Crimp sizes:
0.35- 0.5mm², 0.75-1.0mm², 1.50-2.5mm²
Tin and gold plated
Max current capacity 6/12/20A
Temperature range $-40^{\circ}...125/150/170^{\circ}$
(tin, HT tin, gold plated)

Terminal Crimp Tooling

Delphi Global Crimp Tooling
PSG Hand Crimp Tool: TBD

<u>Comp. P/N</u>	<u>Delphi P/N</u>
1 928 403 698	15397337
1 928 403 920	15426723
1 928 403 870	15397338
1 928 403 441	15397339
1 928 403 440	15439906
1 928 404 275	15432643
1 928 404 276	15439910
1 928 404 224	15439912
1 928 404 225	15439913

Please note that the above part number references show only a portion of all available replacement options. For further information please contact your Power & Signal Group Representative.

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World Headquarters

4670 Richmond Road, Suite 120
Cleveland, OH 44128-5918
(216) 378-6600
(800) 722-5273

European Headquarters

Itterpark 11
D-40724 Hilden
Germany
+49 2103 250 0

Asia Headquarters

9/F, Phase 2, East Ocean Center
618 Yan An Road East
Shanghai 2000001, PRC
+ 86 21 5306 1871



Active Connection System (ACS) Active Terminal System (ATS)

Connectors

15397337	2 way Female, black w/o slider, Code 1
15426723	2 way Female, grey w/o slider, Code 2
15446292	2 way Female, w/o slider, Code 3
15397338	3 way Female, black w/o slider, Code 1
15397339	4 way Female, black slider right, Code 1
15439906	4 way Female, black slider left, Code 1
15439908	4 way Female, black slider right, Code 2
15439909	4 way Female, black slider left, Code 2
15432643	5 way Female, black slider right, Code 1
15439910	5 way Female, black slider left, Code 1
15439912	5 way Female, black slider right, Code 5
15439913	5 way Female, black slider left, Code 5

Note: The part number references will be expanded in the future. For further information, please contact your Power & Signal Group Representative.

Terminals

15344659	0.35-0.5mm ² , female, tin plated
15344661	0.75-1.0mm ² , female, tin plated
15344660	1.5-2.5mm ² , female, tin plated
15493059	0.35-0.5mm ² , female, HT tin plated
15493063	0.75-1.0mm ² , female, HT tin plated
15493061	1.5-2.5mm ² , female, HT in plated
15426998	0.35-0.5mm ² , female, gold plated
15426999	0.75-1.0mm ² , female, gold plated
15427000	1.5-2.5mm ² , female, gold plated

For pricing and samples, contact your Power & Signal Group Representative. Or, visit us on the web at www.powerandsignal.de.

For drawings, data sheets or 3-D CAD models, call our engineering department.

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