

2278730-1 ✓ ACTIVE

AMP | Heavy Duty Sealed Connector Series

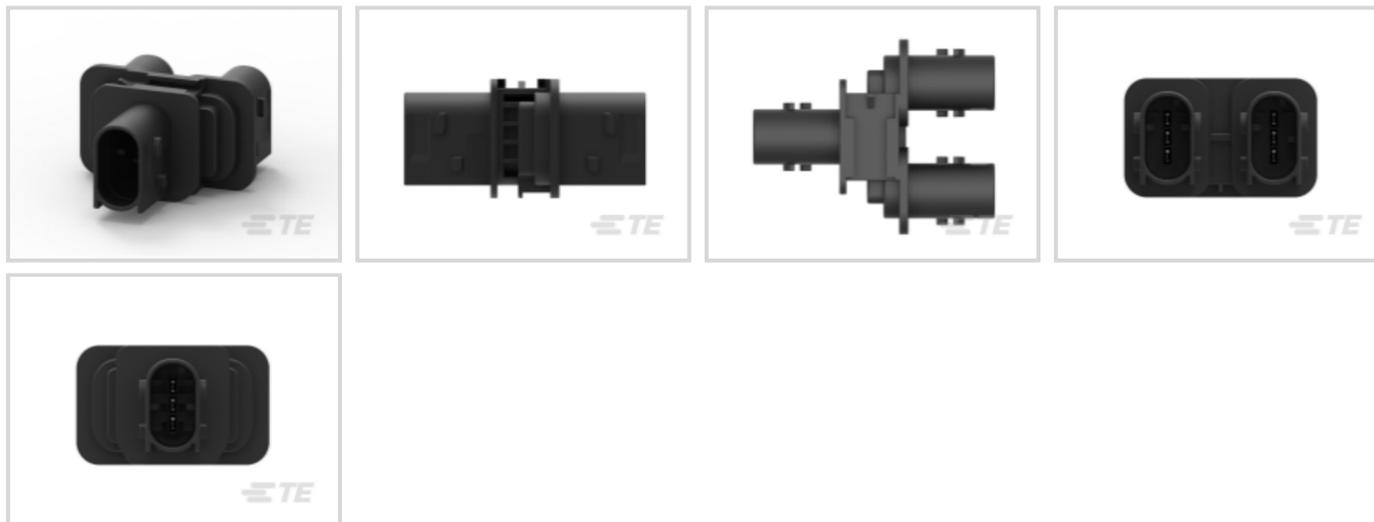
TE Internal #: 2278730-1

12 V / 24 V, 3 Position, Automotive Housing for Male Terminals, Wire-to-Wire, 4 mm [.157 in] Centerline, Sealable, Heavy Duty Sealed Connector Series

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Automotive Parts > Automotive Connectors > Automotive Housings > Heavy-Duty Sealed Connector Series Housings



Nominal Voltage Architecture: 12 V, 24 V

Connector & Housing Type: **Housing for Male Terminals**

Number of Positions: 3

Sealable: **Yes**

Operating Temperature Range: -40 – 140 °C [-40 – 284 °F]

[All Heavy-Duty Sealed Connector Series Housings \(176\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Housing for Male Terminals
Sealable	Yes
Primary Locking Feature	Integrated in Housing
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	42 VDC
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Nominal Voltage Architecture	12 V, 24 V
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Body Features

Cable Exit Angle	180 °
Primary Product Color	Black
Connector & Keying Code	A-B-C

Contact Features

Contact Size	1.5mm
Contact Type	Tab
Mating Tab Width	1.5 mm[.06 in]
Contact Current Rating (Max)	23 A

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	No
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PBT GF30
Centerline (Pitch)	4 mm[.157 in]

Dimensions

Product Width	42.4 mm[1.67 in]
Product Length	25.9 mm[1.02 in]
Connector Height	53.1 mm[2.09 in]

Usage Conditions

Operating Temperature Range	-40 – 140 °C[-40 – 284 °F]
Operating Temperature (Max)	140 °C[284 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

IP Rating	IP67, IP69K
UL Flammability Rating	UL 94V-0

Packaging Features



Packaging Quantity	250
Packaging Method	Box

Other

Serviceable	No
Connector Position Assurance Capable	No

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

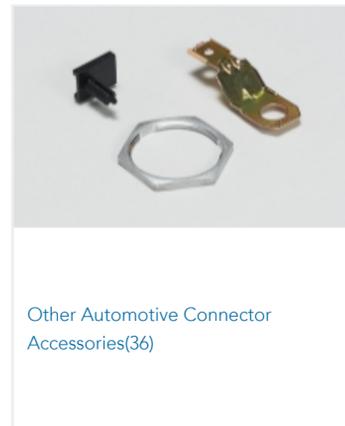
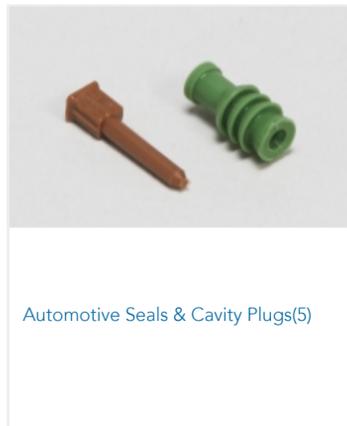
Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



Also in the Series | **Heavy Duty Sealed Connector Series**



Customers Also Bought



Documents

Product Drawings

3P CAN CONNECTOR, RECEPTACLE

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_2278730-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2278730-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2278730-1_A.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[Heavy Duty Sealed Connector Series](#)

English

[HDSCS CAN Bus Y-Connector and 120 Resistor Brochure](#)

English

[HDSCS Catalog](#)

English

[ICT Terminals and Connectors Catalogue](#)

English

Product Specifications

[Application Specification](#)

English