

176143-2 ✓ ACTIVE



Econoseal

TE Internal #: 176143-2

12 V, 2 Position, Automotive Housing for Male Terminals, Wire-to-Wire, 7.9 mm [.311 in] Centerline, Sealable, Black, Wire & Cable, Power

[View on TE.com >](#)

Automotive Parts > Automotive Connectors > Automotive Housings > ECONOSEAL, CONNECTOR HOUSING



Nominal Voltage Architecture: 12 V

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

Number of Positions: 2

Sealable: **Yes**

Operating Temperature Range: -30 – 105 °C [-22 – 221 °F]

[All ECONOSEAL, CONNECTOR HOUSING \(58\)](#)

Features

Product Type Features

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

Configuration Features

Number of Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	13 VDC
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Nominal Voltage Architecture	12 V
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Body Features

Cable Exit Angle	180 °
Primary Product Color	Black

Contact Features

Contact Size	4.8mm
Contact Type	Tab
Mating Tab Width	4.8 mm[.189 in]
Contact Current Rating (Max)	25 A

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	Yes
Mating Alignment Type	Polarization
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PBT
Centerline (Pitch)	7.9 mm[.311 in]

Dimensions

Product Width	45 mm[1.77 in]
Product Length	23.3 mm[.92 in]
Connector Height	24.1 mm[.95 in]

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
Operating Temperature (Max)	105 °C[221 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

UL Flammability Rating	UL 94V-2
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Packaging Features

Packaging Quantity	50
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Packaging Method Bag

Other

Serviceable Yes

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 applicable 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



Customers Also Bought



TE Part #85011-1
RUBBER PLUG FOR SEALED CONN.



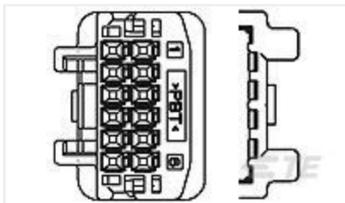
TE Part #CAT-EC7491-T273
Econoseal Receptacles and Tabs



TE Part #176146-2
187 PLUG HSG 2P BLACK



TE Part #368269-2
CLIP FOR 090 II MLC(KEY HOLE)



TE Part #1565804-1
025 G 8POS CAP ASSY W TO W



TE Part #1743757-2
SPT SEALED 3P CAP HSG



TE Part #2188250-2
JPT 4P SLD PLUG ASS'Y



TE Part #936552-2
CLIP HSG FOR 187 CONN BLACK



TE Part #1897711-2
MQS 4P PLUG ASSY

Documents

Product Drawings

[187 CAP HSG ASSY 2P BLACK](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_176143-2_C.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_176143-2_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_176143-2_C.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

Econoseal Connector Series

English

Product Specifications

Product Specification

English

.187 SERIES, SEALED CONNECTOR

English

.187 SERIES, SEALED CONNECTOR

Japanese

Product Specification

Japanese