

Sensor Flat Contact System

TE Internal #: 1801178-1
Housing for Female Terminals, Wire-to-Wire, 3 Position, 3.33 mm [.131 in] Centerline, Sealable, Black, Wire & Cable, Sensor Flat Contact System

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Connectors > Automotive Connectors > Automotive Housings



Connector System: **Wire-to-Wire**
Number of Positions: **3**
Connector & Housing Type: **Housing for Female Terminals**
Centerline (Pitch): **3.33 mm [.131 in]**
Sealable: **Yes**

Features

Product Type Features

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

Configuration Features

Number of Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	16 VDC
Nominal Voltage Architecture	16 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black
Connector & Keying Code	1

Contact Features



Contact Size	1.5mm
Contact Type	Receptacle
Mating Tab Width	1.5 mm[.06 in]
Contact Current Rating (Max)	8 A

Mechanical Attachment

Terminal Position Assurance	Yes
Strain Relief	Add By Accessory
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PBT GF
Centerline (Pitch)	3.33 mm[.131 in]

Dimensions

Connector Height	19.65 mm[.773 in]
Product Width	35.05 mm[1.38 in]
Product Length	21.33 mm[.84 in]

Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C, 145 °C, 150 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F][284 °F][293 °F][302 °F]
Operating Temperature Range	-40 – 150 °C[-40 – 302 °F]

Operation/Application

Circuit Application	Signal
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Industry Standards

Degree of Protection	IP69K
UL Flammability Rating	UL 94HB

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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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

 TE Part # CAT-AM706-T273 AMP MCP, SFC, RECEPTACLE	 TE Part # 1801177-1 3W TAB CONNECTOR HP BLACK	 TE Part # 1801467-1 COVER, FIXED, 3 WAY HP CONNECTOR	 TE Part # 1-1579008-0 EXTRACTION TOOL TO OPEN SECONDARY LOCK
 TE Part # 1801467-2 COVER, FIXED, 3 WAY HP CONNECTOR	 TE Part # 6-1579018-2 EXTRACTION TOOL	 TE Part # 1-1801467-1 COVER, FIXED, 3 WAY HP CONNECTOR	 TE Part # 1-1801467-2 COVER, FIXED, 3 WAY HP CONNECTOR



TE Part # 1801165-1
GROMMET SEAL FOR 3W HP CONNECTOR

TE Part # 1801166-1
RECEPTACLE HOUSING 3W HP

TE Part # 1801167-1
SECOND LOCK DEVICE FOR 3W RCPT HSG BLACK

TE Part # 1801169-1
INTERFACE SEAL FOR 3W HP CONNECTOR

TE Part # 1801170-1
REAR GRID FOR 3W HP CONNECTOR

Also in the Series | Sensor Flat Contact System

Automotive Connector Caps & Covers (9)

Automotive Housings(42)

Automotive Terminals(18)

Insertion & Extraction Tools(7)

Customers Also Bought

TE Part #953698-2
MQS, CONNECTOR HOUSING

TE Part #1670326-3
1.5MM SFC,CONTACT

TE Part #1801175-5
2W RECEPTACLE HP CONNECTOR GREEN

TE Part #1801177-1
3W TAB CONNECTOR HP BLACK

TE Part #1801178-2
3W RECEPTACLE HP CONNECTOR BLUE

TE Part #1801179-3
3W RECEPTACLE HP SL CONNECTOR GREY

TE Part #1801466-2
COVER, FIXED, 2 WAY HP CONNECTOR

TE Part #1801468-1
COVER, ROTATIVE, 3 WAY HP CONNECTOR



Documents

Product Drawings

3W RECEPTACLE HP CONNECTOR BLACK

English

CAD Files

Customer View Model

ENG_CVM_CVM_1801178-1_E.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1801178-1_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1801178-1_E.3d_stp.zip

English

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Product Specifications

Product Specification

English

Instruction Sheets

Instruction Sheet (non U.S.)

English