# 776429-1 ✔ ACTIVE

AMP | AMPSEAL 16

TE Internal #: 776429-1

12 V / 24 V / 48 V, 3 Position, Automotive Plug, Wire-to-Wire, 4.5 mm [.177 in] Centerline, Sealable, Black, Wire & Cable, AMPSEAL 16

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Automotive Parts > Automotive Connectors > Automotive Housings > AMPSEAL 16 Housings



Nominal Voltage Architecture: **12 V, 24 V, 48 V, 240 V**

Connector & Housing Type: **Plug**

Number of Positions: **3**

Sealable: **Yes**

Operating Temperature Range: **-40 – 125 °C [ -40 – 257 °F ]**

All AMPSEAL 16 Housings (224)

## Features

### Product Type Features

| | |
|---|---|
| Mixed & Hybrid Connector | No |
| Connector Shape | Rectangular |
| Connector & Housing Type | Plug |
| 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 | 250 VDC |
| Nominal Voltage Architecture | 12 V, 24 V, 48 V, 240 V |

### Body Features

| | |
|---|---|
| Cable Exit Angle | 180° |
| Primary Product Color | Black |

| | |
|---|---|
| Connector & Keying Code | A |

## Contact Features

| | |
|---|---|
| Contact Size | 1.5mm |
| Contact Type | Socket |
| Mating Pin Diameter | 1.5 mm[.06 in] |

## Mechanical Attachment

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

## Housing Features

| | |
|---|---|
| Housing Material | PBT GF |
| Centerline (Pitch) | 4.5 mm[.177 in] |

## Dimensions

| | |
|---|---|
| Product Width | 36.8 mm[1.449 in] |
| Product Length | 24.83 mm[.978 in] |
| Connector Height | 23.5 mm[.925 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -40 – 125 °C[-40 – 257 °F] |
| Operating Temperature (Max) | 125 °C[257 °F] |

## Industry Standards

| | |
|---|---|
| IP Rating | IP67 |
| UL Flammability Rating | UL 94HB |

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 22 |
| Packaging Method | Tube |

## Other

| | |
|---|---|
| Serviceable | Yes |
| Connector Position Assurance Capable | Yes |

# 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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>SVHC > Threshold:<br>Decamethylcyclopentasiloxane (D5) (.5% in 27519261133)<br>Dodecamethylcyclohexasiloxane (D6) (.5% in 27519261133)<br>Octamethylcyclotetrasiloxane (D4) (.5% in 27519261133)<br>**Article Safe Usage Statements:**<br>Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| 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 # 776363-1
SEALING PLUG, SZ 16 CAVITY



TE Part # CAT-AM7801-B128
AMPSEAL 16 Connectors Backshell



TE Part # CAT-AM7801-T618
Removal Tools — AMPSEAL 16



TE Part # CAT-AM7801-CH8172
AMPSEAL 16 Housings

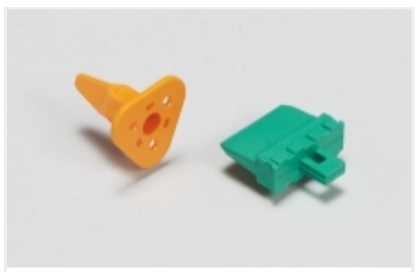


TE Part # 2272179-2
AMPSEAL 16 PERIPHERAL SEAL 3P - SERVICE



TE Part # CAT-AM7801-T273
AMPSEAL 16 CONTACTS

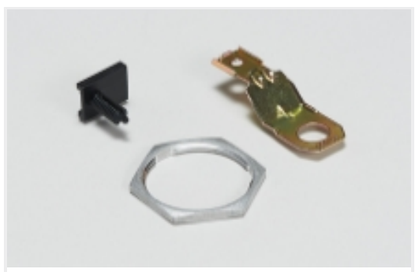
## Also in the Series | AMPSEAL 16



Automotive Connector Locks & Position Assurance(6)



Automotive Seals & Cavity Plugs(11)



Other Automotive Connector Accessories(8)

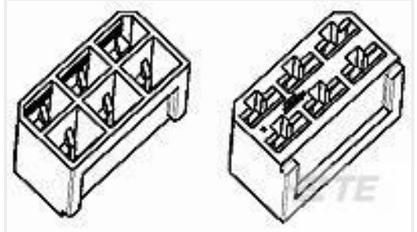
## Customers Also Bought



TE Part #CAT-H396-CH8172
DEUTSCH HDP20 Housings



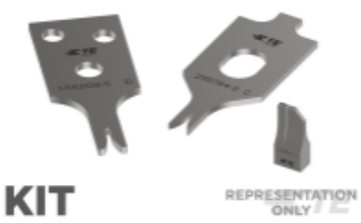
TE Part #328158
TERMINAL,AMPOWER 6 1/2



TE Part #1-480281-0
FF 250 REC HSG 6P NYLON BLACK



TE Part #CAT-AM7801-CH8172
AMPSEAL 16 Housings




TE Part #7-2234095-7
OCEAN-2.0-APPLICATOR-S



TE Part #AUA558N00580150000
623 PLUG, ANGLED

## Documents

### Product Drawings

AS16,PLUG ASSY,ST,03P,N SEAL,CODE A

English

### CAD Files

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_776429-1_F_c-776429-1-f.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_776429-1_F_c-776429-1-f.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_776429-1_F_c-776429-1-f.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

## Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

## Product Specifications

Application Specification

English

## Instruction Sheets

Instruction Sheet (U.S.)

English