776433-1 ✓ ACTIVE

[AMP](#) | [AMPSEAL 16](#)

TE Internal #: 776433-1

12 V / 24 V / 48 V, 6 Position, Automotive Plug, Wire-to-Wire, 4.5 mm [.177 in] Centerline, Sealable, Black, Wire & Cable, Power, 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: **6**

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	6
Number of Rows	2

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

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Connector & Keying Code	A

Contact Features

Contact Size	Size 16
Contact Type	Socket
Mating Pin Diameter	1.5 mm[.062 in]
Contact Current Rating (Max)	13 A

Mechanical Attachment

Strain Relief	Without
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

Row-to-Row Spacing	5.3 mm[.209 in]
Compatible Insulation Diameter Range	1.3 – 3.3 mm[.051 – .131 in]
Product Width	36.6 mm[1.44 in]
Product Length	25.3 mm[.997 in]
Connector Height	31 mm[1.22 in]
Wire Size	20 – 14 AWG

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

IP Rating	IP67
UL Flammability Rating	UL 94HB

Packaging Features

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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>

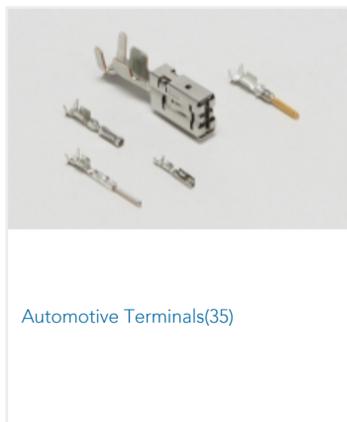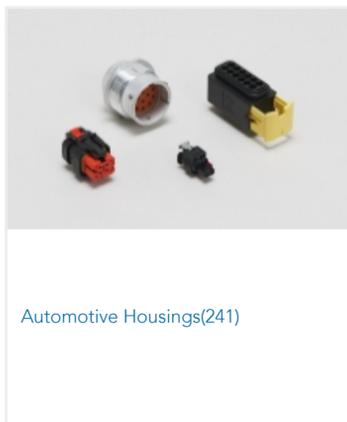| EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Dodecamethylcyclohexasiloxane (D6) (.5% in 27519261137) Decamethylcyclopentasiloxane (D5) (.5% in 27519261137) Octamethylcyclotetrasiloxane (D4) (.5% in 27519261137) **Article Safe Usage Statements:** 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

Compatible Parts

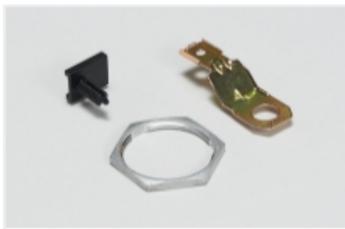12 V / 24 V / 48 V, 6 Position, Automotive Plug, Wire-to-Wire, 4.5 mm [.177 in] Centerline, Sealable, Black, Wire & Cable, Power, AMPSEAL 16

TE Part # CAT-AM7801-CH8172

AMPSEAL 16 Housings

TE Part # 1-2035366-0

Backshell,AS16,6P,90Deg,NC12,LP, Plug

TE Part # 2302493-3

AS16,PLUG BACKSHELL KIT,RA,06P, NC12

TE Part # 2302493-2

AS16,PLUG BACKSHELL KIT,RA,06P, NC16

TE Part # CAT-AM7801-T618

Removal Tools — AMPSEAL 16

TE Part # 2292800-1

AS16,PLUG BACKSHELL KIT,ST,06P, SMOOTH

TE Part # 2302493-1

AS16,PLUG BACKSHELL KIT,RA,06P, SMOOTH

TE Part # 2292800-3

AS16,PLUG BACKSHELL KIT,ST,06P, NC12

TE Part # 1-2035366-2

Backshell,AS16,6P,90Deg,NC16,LP, Plug

TE Part # 2035366-8

Backshell,AS16,6P,90Deg,NC08,LP, Plug

TE Part # 2272179-4

AMPSEAL 16 PERIPHERAL SEAL 6P - SERVICE

TE Part # 776363-1

SEALING PLUG, SZ 16 CAVITY

TE Part # CAT-AM7801-T273

Contacts: Size 16, 13A

TE Part # 2292800-2

AS16,PLUG BACKSHELL KIT,ST,06P, NC16

Also in the Series | AMPSEAL 16

Automotive Connector Caps & Covers (93)

Automotive Housings(241)

Automotive Terminals(35)

Data Connectivity Housings(8)

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Other Automotive Connector Accessories(8)

Customers Also Bought

TE Part #TAA75AA1611-002
M12A5-MR-FS-PVC-1.0M

TE Part #776299-2
ASSEMBLY SOCKET LOOSE PC NICKE

TE Part #CAT-AM7801-CH8172
AMPSEAL 16 Housings

TE Part #1-2203771-2
Plug Ass'y, 3P Sealed, Key B, CPA

TE Part #2208729-1
COVER,OUTGOING VERTICAL,ASSY

TE Part #2273109-3
M8 strgt plug to M12 strgt socket AA

Documents

Product Drawings

AS16,PLUG ASSY,ST,06P,N SEAL,CODE A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_776433-1_F_c-776433-1-f.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_776433-1_F_c-776433-1-f.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_776433-1_F_c-776433-1-f.3d_stp.zip

English

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Centerline, Sealable, Black, Wire & Cable, Power, AMPSEAL 16

Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English