

HDP24-24-18SE-L017

✓ ACTIVE

TE Internal #: HDP24-24-18SE-L017

Housing for Female Terminals, Wire-to-Wire, 18 Position, Sealable, Black, Wire & Cable, Power & Signal, Panel Mount, -67 – 257 °F [-55 – 125 °C]

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Housings



Connector System: **Wire-to-Wire**  
Number of Positions: **18**  
Connector & Housing Type: **Housing for Female Terminals**  
Sealable: **Yes**  
Mating Pin Diameter: **1.59 mm, 2.39 mm, 3.61 mm [ .063 in, .094 in, .142 in ]**

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Circular
Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Contact Retainer

Configuration Features

Blank Cavity Position	0
Connector Modification	Ring Adapter
Connector Seal Code	E Seal
Number of Positions	18

Electrical Characteristics

Operating Voltage	250 VAC
-------------------	---------



Nominal Voltage Architecture	12 V, 24 V, 48 V
Body Features	
Cable Exit Angle	180°
Primary Product Color	Black
Contact Features	
Contact Size	Size 12, Size 16, Size 8
Contact Type	Socket
Mating Pin Diameter	1.59 mm, 2.39 mm, 3.61 mm[.063 in][.094 in][.142 in]
Contact Current Rating (Max)	13 A, 25 A, 60 A
Mechanical Attachment	
Terminal Position Assurance	No
Strain Relief	Add By Accessory
Mating Alignment Type	Guide Post
Mating Alignment	With
Connector Mounting Type	Panel Mount
Housing Features	
Housing Material	PA GF
Dimensions	
Connector Height	47.63 mm[1.875 in]
Product Width	50.8 mm[2 in]
Product Length	45.77 mm[1.802 in]
Compatible Insulation Diameter Range	1.35 – 3.05 mm, 2.46 – 4.01 mm, 3.43 – 5.59 mm[.053 – .12 in][.097 – .158 in][.135 – .22 in]
Usage Conditions	
Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Operation/Application	
Circuit Application	Power & Signal
Industry Standards	
Degree of Protection	IP67
UL Flammability Rating	20mm Flame Test per Standard UL-94



Packaging Features

Packaging Method	Box
------------------	-----

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 2023 (235) Candidate List Declared Against: JUL 2021 (219) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.4% in Component) <b>Article Safe Usage Statements:</b> 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	Not Yet Reviewed for halogen content
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



TE Part # CAT-D48-SP729  
DEUTSCH Sealing Plugs



TE Part # CAT-H396-RC8382  
Receptacle Protective Caps —  
DEUTSCH HDP20



TE Part # CAT-H396-B128  
DEUTSCH HDP20 Backshells



TE Part # 24-D-PUNCH  
D-HOLE PUNCH, SIZE 24



TE Part # CAT-H396-CH8172  
DEUTSCH HDP20 Housings



TE Part # HD30-24BT-BK  
BOOT, 24SZ, ST, BLK



TE Part # 16-04477  
GASKET, 24SZ, BLK, HD30



TE Part # HD30-24BT  
BOOT, 24SZ, ST, GRY



TE Part # HD30-24BT-90-BK  
BOOT, 24SZ, RA, BLK




TE Part # 0411-337-1205  
EXT TOOL, SIZE 12, 12-14 AWG, E,  
ORG



TE Part # 114008-ZZ  
EXT TOOL, SIZE 8, 8-10 AWG, N, GRN



TE Part # 0411-336-1605  
EXT TOOL, SIZE 16, 16-20 AWG, E,  
DRK BLU



TE Part # 62036-40  
62036 HDP24 FLANGE-SEAL silicone  
60shore

Customers Also Bought



TE Part #HDP24-24-47SE-L017  
DEUTSCH HDP20 Housings



TE Part #K1125921  
Batt Disconnect 35-524-231-R-A2-900



TE Part #HDP24-24-19SE-L017  
REC, 19P, BLK, E, RNG, 12/16, S



TE Part #927768-9  
TIMER, RECEPTACLE AND TAB

HDP24-24-18SE-L017

Housing for Female Terminals, Wire-to-Wire, 18 Position, Sealable, Black, Wire & Cable, Power & Signal, Panel Mount, -67 – 257 °F [-55 – 125 °C]



Documents

Product Drawings

REC, 18P, BLK, E, RNG, 8/12/16, S

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_HDP24-24-18SE-L017\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_HDP24-24-18SE-L017\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_HDP24-24-18SE-L017\_A.3d\_stp.zip

English

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

Datasheets & Catalog Pages

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English