

AEC16-40SB ✓ ACTIVE

DEUTSCH | DEUTSCH DRC

TE Internal #: AEC16-40SB

Housing for Female Terminals, Wire-to-Wire, 40 Position, .213 in [5.41 mm] Centerline, Sealable, Black, Wire & Cable, Power & Signal, DEUTSCH DRC

[View on TE.com >](#)



Connectors > Automotive Connectors > Connector Housings > DEUTSCH DRC HOUSINGS



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

Mating Pin Diameter: **1.59 mm [.063 in]**

Connector System: **Wire-to-Wire**

Number of Positions: **40**

Centerline (Pitch): **5.41 mm [.213 in]**

[All DEUTSCH DRC HOUSINGS \(112\)](#)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Number of Positions	40
Number of Rows	7

Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	12 V, 24 V

Body Features

Cable Exit Angle	180°
------------------	------



Body Material	PEI (Polyetherimide)
---------------	----------------------

Primary Product Color	Black
-----------------------	-------

Connector Code	B
----------------	---

Contact Features

Contact Size	Size 16
--------------	---------

Contact Type	Socket
--------------	--------

Mating Pin Diameter	1.59 mm[.063 in]
---------------------	------------------

Contact Current Rating (Max)	13 A
------------------------------	------

Mechanical Attachment

Mounting Feature	Without
------------------	---------

Terminal Position Assurance	No
-----------------------------	----

Strain Relief	Add By Accessory
---------------	------------------

Mating Alignment Type	Keyed
-----------------------	-------

Mating Alignment	With
------------------	------

Connector Mounting Type	Cable Mount (Free-Hanging)
-------------------------	----------------------------

Housing Features

Centerline (Pitch)	5.41 mm[.213 in]
--------------------	------------------

Dimensions

Product Width	46.43 mm[1.828 in]
---------------	--------------------

Product Length	36.58 mm[1.44 in]
----------------	-------------------

Product Height	45.16 mm[1.778 in]
----------------	--------------------

Row-to-Row Spacing	5.41 mm[.213 in]
--------------------	------------------

Accepts Wire Insulation Diameter Range	2.54 – 3.4 mm[.1 – .134 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

Agency/Standard	SAE J2030
-----------------	-----------

Degree of Protection	Not Tested
----------------------	------------

UL Flammability Rating	UL 94HB
------------------------	---------



Packaging Features

Packaging Quantity	100
Packaging Method	Box

Other

Serviceable	Yes
Connector Position Assurance Capable	No

Product Compliance

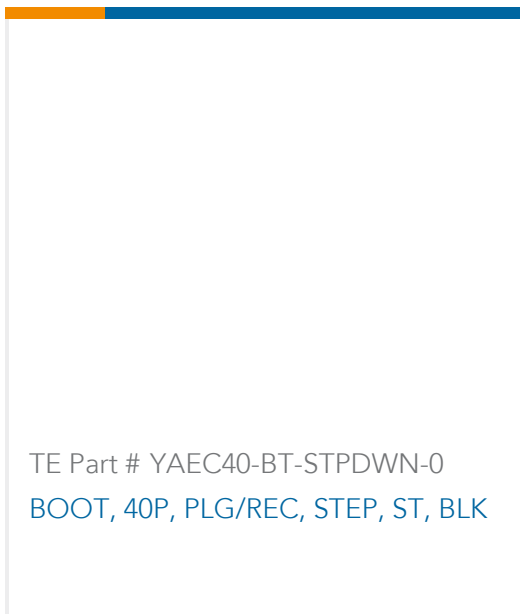
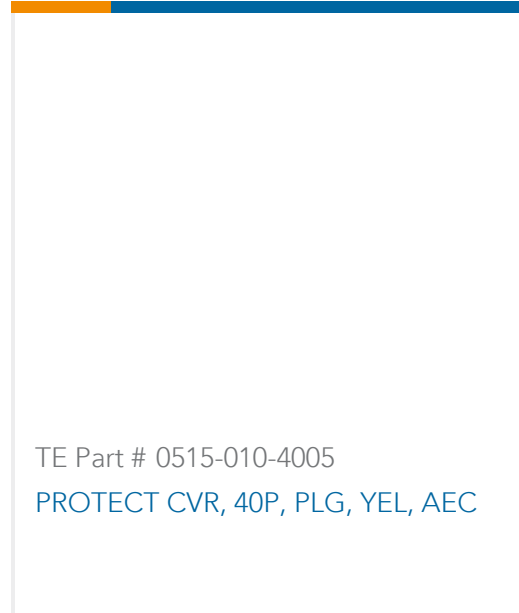
[For compliance documentation, visit the product page on TE.com>](#)

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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability

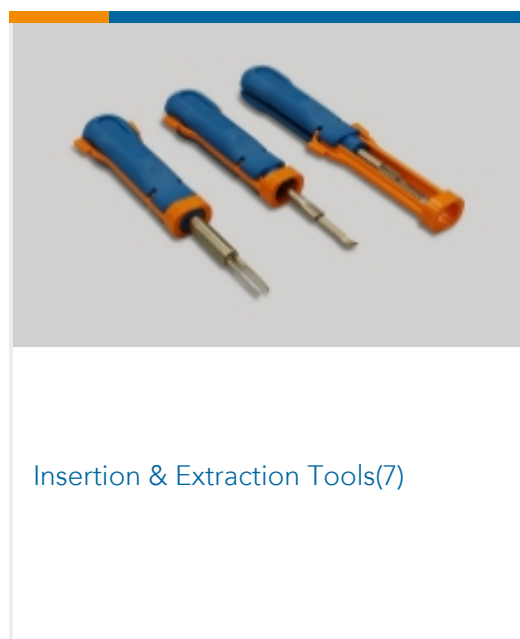
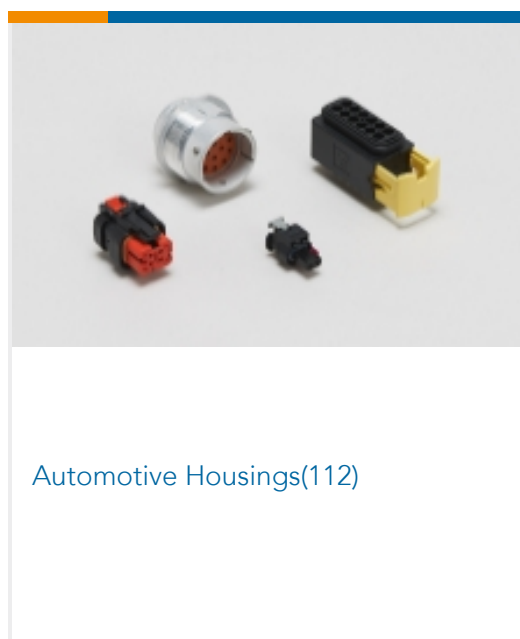
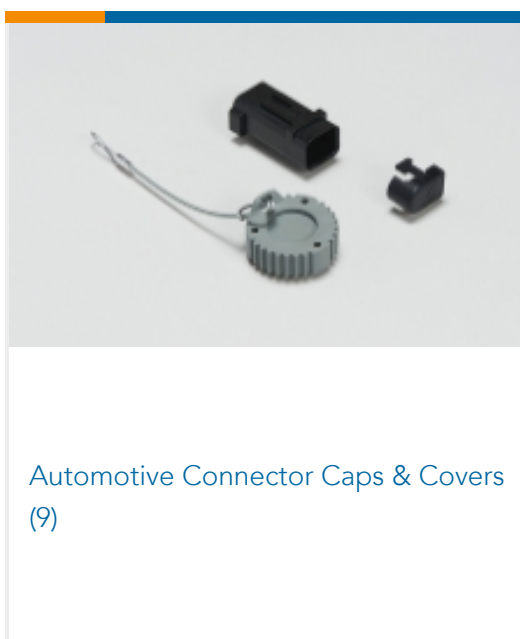
Product Compliance Disclaimer

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>

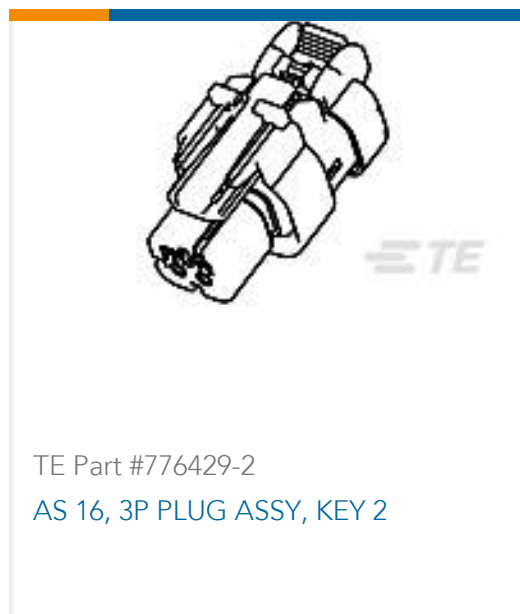
Compatible Parts



Also in the Series | **DEUTSCH DRC**



Customers Also Bought





TE Part #1062-16-0988
SOC, SF, SIZE 16, 14-18, PD/NI/AU



TE Part #CB1869-000
RNF-100-1/2-BK-4.5IN



TE Part #W4P-P004
WEDGE LOCK



TE Part #7G7918-12
DEUTSCH SEALING PLUGS



TE Part #4060-005-04141
PIN, SOLID, SIZE 4, 4AWG, NI

Documents

Product Drawings

PLG, 40P, BLK, N, B

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_AEC16-40SB_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_AEC16-40SB_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_AEC16-40SB_D.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

Product Specifications

[Product Specification](#)

English

Agency Approvals

[UL Report](#)

AEC16-40SB

Housing for Female Terminals, Wire-to-Wire, 40 Position, .213 in [5.41 mm]
Centerline, Sealable, Black, Wire & Cable, Power & Signal, DEUTSCH DRC



English