

DRC18-40SB-P013 ✓ ACTIVE

DEUTSCH | DEUTSCH DRC

TE Internal #: DRC18-40SB-P013

Housing for Female Terminals, Wire-to-Wire, 40 Position, .216 in [5.49 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): **5.49 mm [.216 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	Contact Retainer
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Blank Cavity Position	0
Connector Modification	Bonded Front Seal
Number of Positions	40
Number of Rows	4

Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	12 V, 24 V, 48 V

Body Features

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



Body Material	PPS GF
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)	5.49 mm[.216 in]
--------------------	------------------

Dimensions

Product Width	72.85 mm[2.868 in]
Product Length	40.44 mm[1.592 in]
Product Height	30.53 mm[1.202 in]
Row-to-Row Spacing	5.49 mm[.216 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	IP68, IP6K9K
UL Flammability Rating	20mm Flame Test per Standard UL-94



Packaging Features

Packaging Quantity	125
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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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-D799-CH8172
DEUTSCH DRC HOUSINGS



TE Part # CAT-D48-SP729
DEUTSCH SEALING PLUGS



TE Part # 0411-291-1405
EXT TOOL, SIZE 16, 14-16 AWG, N, GRN




TE Part # 0411-204-1605
EXT TOOL, SIZE 16, 16-18 AWG, N, DRK BLU



TE Part # CAT-D799-H342
DEUTSCH DRC HEADERS



TE Part # CAT-D48-SFT273
DEUTSCH STAMPED & FORMED CONTACTS




TE Part # CAT-D48-ST273
DEUTSCH SOLID CONTACTS




TE Part # DRC40-BT
BOOT, 40P, 16SZ, PLG/REC, ST, BLK



TE Part # DRC40-BT-90DEG
BOOT, 40P, 16SZ, PLG/REC, RA, BLK



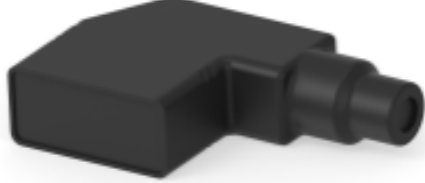
TE Part # 0515-001-4005
PROTECT CVR, 40P, PLG, WHT, DRC16



TE Part # DRC40-BT-DH
BOOT, 40P, 16SZ, PLG/REC,ST,DRN HOLE,BLK




TE Part # DRC40-BT-GRAY
BOOT, 40P, 16SZ, PLG/REC, ST, GRY




TE Part # DRC40-BT-YW
BOOT, 40P, 16SZ, PLG/REC, ST, YEL


Also in the Series | **DEUTSCH DRC**



Automotive Connector Caps & Covers (9)



Automotive Housings(112)



Insertion & Extraction Tools(7)



PCB Headers & Receptacles(41)

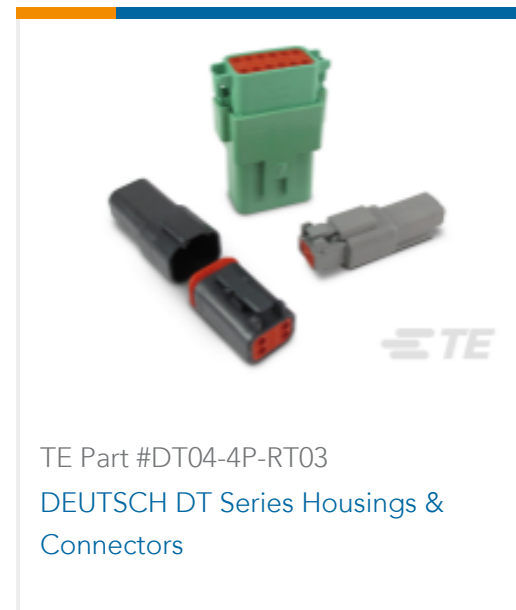
Customers Also Bought



TE Part #HD10-9-96P-B009
SQ FG REC ASM



TE Part #DRC16-70SA-P013
DEUTSCH DRC HOUSINGS



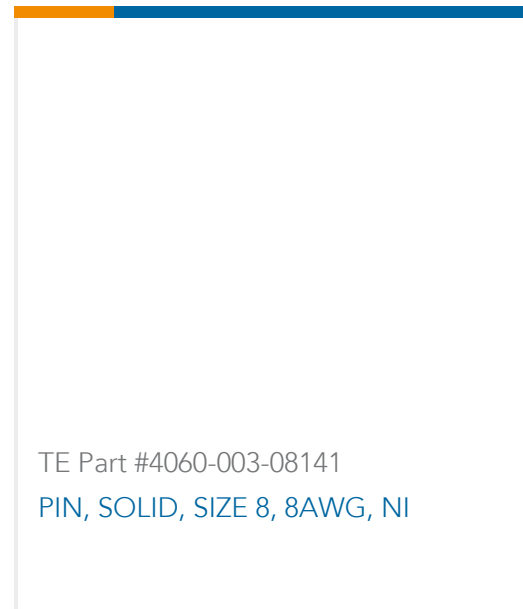
TE Part #DT04-4P-RT03
DEUTSCH DT Series Housings &
Connectors



TE Part #DRC24-BT
BOOT, 24P, 16SZ, PLG/REC, ST, BLK



TE Part #4062-004-08141
DEUTSCH SOLID CONTACTS



TE Part #4060-003-08141
PIN, SOLID, SIZE 8, 8AWG, NI

Documents

Product Drawings

[PLG, 40P, BLK, N, SEAL BOND, B](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_DRC18-40SB-P013_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DRC18-40SB-P013_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DRC18-40SB-P013_B.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

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

DRC18-40SB-P013

Housing for Female Terminals, Wire-to-Wire, 40 Position, .216 in [5.49 mm]
Centerline, Sealable, Black, Wire & Cable, Power & Signal, DEUTSCH DRC



English