



DEUTSCH | DEUTSCH DRC

TE Internal #: DRC26-50S05

Housing for Female Terminals, Wire-to-Wire, 50 Position, .174 in [4.42 mm] Centerline, Sealable, Black, Wire & Cable, 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: **1.02 mm [ .04 in ]**

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

Number of Positions: **50**

Centerline (Pitch): **4.42 mm [ .174 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

Number of Positions	50
Number of Rows	5

### Electrical Characteristics

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

### Body Features

Cable Exit Angle	180°
Body Material	PA GF
Primary Product Color	Black



Connector Code	05
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### Contact Features

Contact Size	Size 20
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Contact Type	Socket
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Mating Pin Diameter	1.02 mm[.04 in]
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Contact Current Rating (Max)	7.5 A
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### Mechanical Attachment

Mounting Feature	Without
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Terminal Position Assurance	No
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Strain Relief	With
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Mating Alignment Type	Keyed
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Mating Alignment	With
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Connector Mounting Type	Cable Mount (Free-Hanging)
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### Housing Features

Centerline (Pitch)	4.42 mm[.174 in]
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### Dimensions

Product Width	68.58 mm[2.7 in]
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Product Length	32.36 mm[1.274 in]
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Product Height	36.45 mm[1.435 in]
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Row-to-Row Spacing	4.42 mm[.174 in]
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Accepts Wire Insulation Diameter Range	1.02 – 2.41 mm[.04 – .095 in]
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### Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
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Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

Agency/Standard	SAE J2030
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Degree of Protection	Not Tested
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UL Flammability Rating	20mm Flame Test per Standard UL-94
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### Packaging Features



Packaging Quantity	125
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Packaging Method	Box
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### Other

Serviceable	Yes
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Connector Position Assurance Capable	No
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## Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not reviewed for solder process capability
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#### 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-ST273  
DEUTSCH SOLID CONTACTS



TE Part # 0411-240-2005  
EXT TOOL, SIZE 20, 16-22 AWG, N, RED



TE Part # CAT-D799-H342  
DEUTSCH DRC HEADERS



TE Part # CAT-D48-SP729  
DEUTSCH SEALING PLUGS



TE Part # CAT-D799-B128  
DEUTSCH DRC BACKSHELLS



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

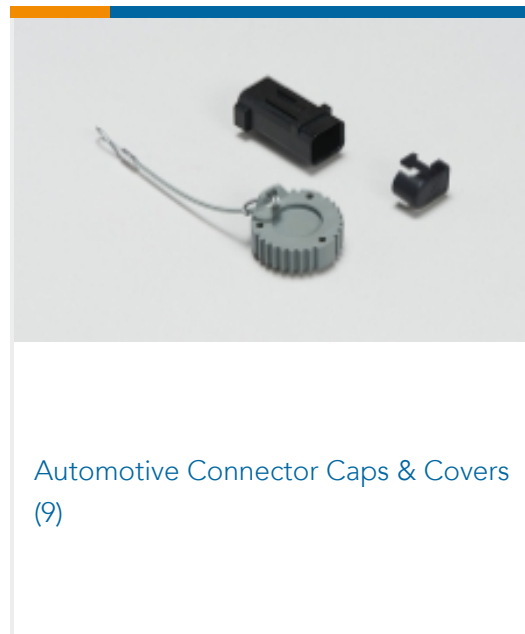


TE Part # DRC26-50BT  
BOOT, 50P, 20SZ, PLG/REC, ST, BLK

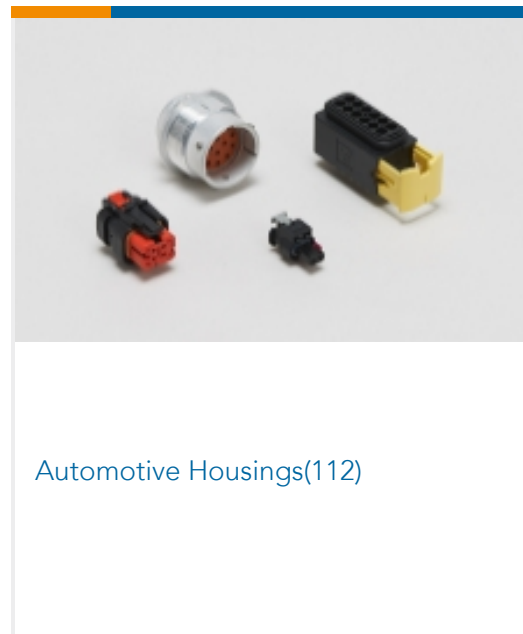


TE Part # 0515-018-5005  
PROTECT CVR, 38/50/60P, PLG, WHT, DRC20

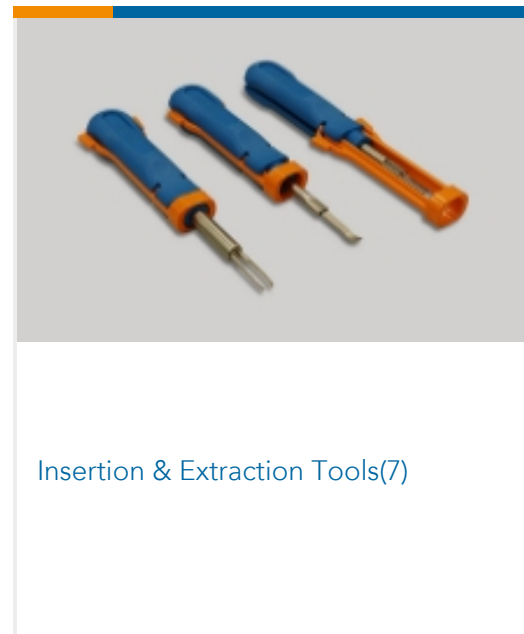
Also in the Series | DEUTSCH DRC



Automotive Connector Caps & Covers (9)



Automotive Housings(112)



Insertion & Extraction Tools(7)



PCB Headers & Receptacles(41)

Customers Also Bought



TE Part #DT04-12PA-E003  
REC, 12P, GRY, N, CAP, A



TE Part #DRC26-50S08  
DEUTSCH DRC HOUSINGS



TE Part #TAA751A5501-020  
M12A5-MS-PUR-2.0M



TE Part #936060-1  
2.8MM SLD 3P PLUG ASSY-TDC



TE Part #HD36-24-23SN-059  
PLG,23P,AL,N, CBL CLMP BT, DRAIN, 16,S,MC



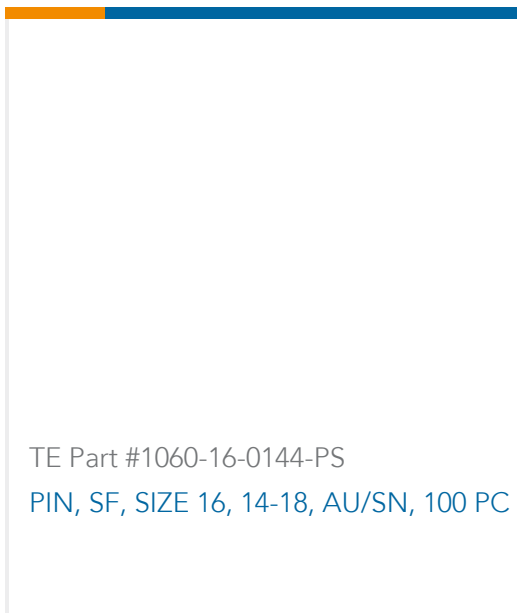
TE Part #DTM06-2S-E005  
PLG, 2P, BLK, N, CAP



TE Part #HDP26-24-29SE-L017  
PLG, 29P, BLK, E, RNG, 12/16/20, S



TE Part #1-1587987-7  
RECEPTACLE ASSEMBLY, Shunt, MSD



## Documents

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_DRC26-50S05\\_99\\_c-drc26-50s05-99.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_DRC26-50S05\\_99\\_c-drc26-50s05-99.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_DRC26-50S05\\_99\\_c-drc26-50s05-99.3d\\_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

### Product Environmental Compliance

#### Product Compliance

English

#### Product Compliance

English

### Agency Approvals

#### UL Report

English