



Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DRC Housings



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

Number of Positions: **40**

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

Centerline (Pitch): **5.49 mm [.216 in]**

Sealable: **Yes**

[All DEUTSCH DRC Housings \(117\)](#)

Features

Product Type Features

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

Configuration Features

|                       |    |
|-----------------------|----|
| Blank Cavity Position | 0  |
| Number of Positions   | 40 |
| Number of Rows        | 4  |

Electrical Characteristics

|                              |         |
|------------------------------|---------|
| Operating Voltage            | 250 VAC |
| Nominal Voltage Architecture | 250 V   |

Body Features

|                       |       |
|-----------------------|-------|
| Cable Exit Angle      | 180°  |
| Primary Product Color | Black |



|                         |   |
|-------------------------|---|
| Connector & Keying Code | B |
|-------------------------|---|

Contact Features

|                              |                  |
|------------------------------|------------------|
| Contact Size                 | Size 16          |
| Contact Type                 | Pin              |
| Mating Pin Diameter          | 1.59 mm[.063 in] |
| Contact Current Rating (Max) | 13 A             |

Mechanical Attachment

|                             |                  |
|-----------------------------|------------------|
| Terminal Position Assurance | No               |
| Strain Relief               | Add By Accessory |
| Mating Alignment Type       | Keyed            |
| Mating Alignment            | With             |
| Connector Mounting Type     | Panel Mount      |

Housing Features

|                    |                  |
|--------------------|------------------|
| Housing Material   | PPS GF           |
| Centerline (Pitch) | 5.49 mm[.216 in] |

Dimensions

|                    |                    |
|--------------------|--------------------|
| Connector Height   | 53.29 mm[2.098 in] |
| Product Width      | 97.54 mm[3.84 in]  |
| Product Length     | 43.15 mm[1.699 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 |
|---------------------|-------|

Industry Standards

|                                           |                                    |
|-------------------------------------------|------------------------------------|
| Degree of Protection                      | IP68, IP6K9K                       |
| Compatible With Agency/Standards Products | SAE J2030                          |
| UL Flammability Rating                    | 20mm Flame Test per Standard UL-94 |

Packaging Features

|                    |    |
|--------------------|----|
| Packaging Quantity | 60 |
|--------------------|----|



|                                      |     |
|--------------------------------------|-----|
| 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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>SVHC > Threshold:<br>Octamethylcyclotetrasiloxane (D4) (.4% in Component Part)<br><b>Article Safe Usage Statements:</b><br>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 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-ST273  
DEUTSCH Solid Contacts



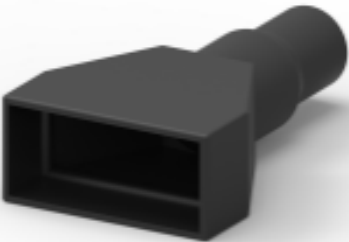
TE Part # CAT-J67-DSCC16  
DEUTSCH Size 16 Crimp Contacts



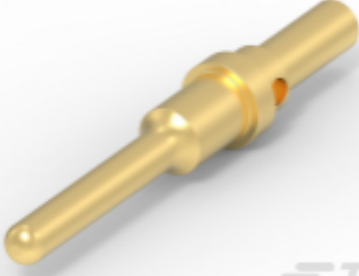
TE Part # CAT-D799-CH8172  
DEUTSCH DRC Housings



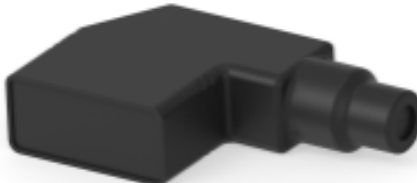
TE Part # DRC40-GKT  
GASKET, 40P, BLK, DRC16



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



TE Part # 2300908-1  
0460-003-16329, PIN, SOLID, 20-24AWG, AU



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



TE Part # CAT-D48-SP729  
DEUTSCH Sealing Plugs



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

TE Part # 0504-001-4001  
DUST CAP, 40P, REC, BLK, DRC16

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

TE Part # 0515-002-4005  
PROTECT CVR, 40P, REC, WHT, DRC16

TE Part # CAT-D48-SFT273  
DEUTSCH Stamped and Formed Contacts

Also in the Series | DEUTSCH DRC



Automotive Housings(117)



Connector Backshells(6)



Connector Strain Relief(3)



Insertion & Extraction Tools(7)

DRC12-40PBE

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



Customers Also Bought



Documents

Product Drawings

REC, 40P, BLK, E, FLANGE, B

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_DRC12-40PBE\_C.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_DRC12-40PBE\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_DRC12-40PBE\_C.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](#)

English