

DEUTSCH | DEUTSCH DRC

TE Internal #: DRC18-40SC

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

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DRC Housings



Connector System: Wire-to-Wire

Number of Positions: 40

Connector & Housing Type: Housing for Female Terminals

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

Sealable: Yes

All DEUTSCH DRC Housings (117)

Features

Product Type Features

| 1 Todaet Type Teatares | |
|-----------------------------------|------------------------------|
| Mixed & Hybrid Connector | No |
| Connector Shape | Rectangular |
| Connector System | Wire-to-Wire |
| Connector & Housing Type | Housing for Female 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° |

Black

Primary Product Color



| Connector & Keying Code | С |
|---|------------------------------------|
| 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 | |
| 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 | |
| Housing Material | PPS GF |
| Centerline (Pitch) | 5.49 mm[.216 in] |
| Dimensions | |
| Connector Height | 30.53 mm[1.202 in] |
| Product Width | 72.85 mm[2.868 in] |
| Product Length | 40.44 mm[1.592 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 | 125 |
| | |



Packaging Method Box

Other

| Serviceable | Yes |
|--------------------------------------|-----|
| Connector Position Assurance Capable | No |

Product Compliance

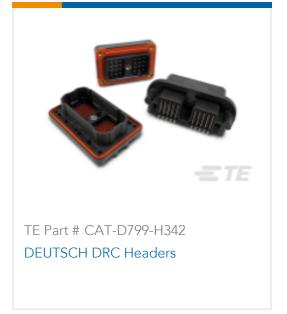
For compliance documentation, visit the product page on TE.com>

| 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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC |
| 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









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





TE Part # CAT-D799-CH8172 DEUTSCH DRC Housings



BOOT, 40P, 16SZ, PLG/REC, ST, BLK



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







TE Part # 1062-14-0177 SOC, SF, SIZE 16, 14-18, SN/SN

Also in the Series | DEUTSCH DRC









Insertion & Extraction Tools(7)



Customers Also Bought



















Documents

Product Drawings

PLG, 40P, BLK, N, C

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DRC18-40SC_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DRC18-40SC_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DRC18-40SC_B.3d_stp.zip

English

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Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English