



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 \(112\)](#)

Features

Product Type Features

| | |
|-----------------------------------|------------------------------|
| 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 | Contact Retainer |

Configuration Features

| | |
|-----------------------|--------|
| Blank Cavity Position | 0 |
| Connector Seal Code | E 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° |
|------------------|------|



| | |
|-------------------------|-------|
| Primary Product Color | Black |
| Connector & Keying Code | A |

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 & Signal |
|---------------------|----------------|

Industry Standards

| | |
|------------------------|------------------------------------|
| Degree of Protection | IP68, IP6K9K |
| Agency/Standard | 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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.4% in Component Part) Article Safe Usage Statements: 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

DRC18-40SAE

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



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

TE Part # CAT-D799-CH8172
DEUTSCH DRC Housings

TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs

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 # CAT-D799-H342
DEUTSCH DRC Headers

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

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
(3)

Automotive Housings(112)

Connector Backshells(6)

Insertion & Extraction Tools(7)

PCB Headers & Receptacles(44)

Customers Also Bought

DRC18-40SAE

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



TE Part #DRC12-40PA
DEUTSCH DRC Housings

TE Part #W2P-P004
WEDGE LOCK

TE Part #1062-16-0622
DEUTSCH Size 16 Crimp Contacts

TE Part #796273-1
SLD CPC RCPT ASSY,17-14,REV SX

TE Part #1743059-1
MT-II/JPT SLD 36P PLUG ASSY

TE Part #6-2208684-3
39POS,AMP MCP2.8,REC HSG,ASSY

TE Part #11025106-00
MANITOWON P/N: 80069049

Documents

Product Drawings

PLG, 40P, BLK, E, A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DRC18-40SAE_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DRC18-40SAE_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DRC18-40SAE_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

Engineering Report

English

Agency Approvals

UL Report

DRC18-40SAE

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



English