DRC18-40SDE-P013 ✔ ACTIVE

DEUTSCH | DEUTSCH DRC

TE Internal #: DRC18-40SDE-P013

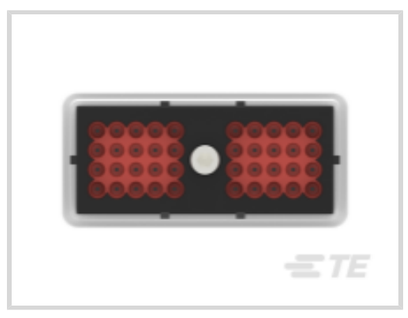
12 V / 24 V / 48 V, 40 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 5.49 mm [.216 in] Centerline, Sealable, Black, DEUTSCH DRC

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Housings > DEUTSCH DRC Housings







Nominal Voltage Architecture: **12 V, 24 V, 48 V**

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

Number of Positions: **40**

Sealable: **Yes**

Operating Temperature Range: **-55 – 125 °C [-67 – 257 °F]**

All DEUTSCH DRC Housings (117)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Connector Seal Code	E Seal
Number of Positions	40
Number of Rows	4

Electrical Characteristics

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

Body Features

Cable Exit Angle	180°
Primary Product Color	Black
Connector & Keying Code	D

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

Strain Relief	Add By Accessory
Terminal Position Assurance	No
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

Row-to-Row Spacing	5.49 mm[.216 in]
Product Width	72.85 mm[2.868 in]
Product Length	40.44 mm[1.592 in]
Connector Height	30.53 mm[1.202 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

IP Rating	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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.4% in 10770334040) **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



TE Part # CAT-D799-CH8172
DEUTSCH DRC Housings

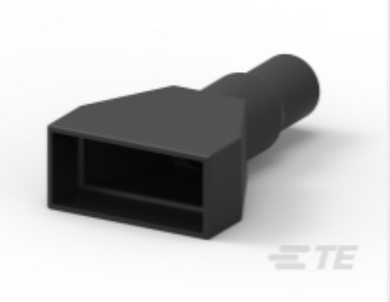


TE Part # DRC40-BT-90DEG
BOOT, 40P, 16SZ, PLG/REC, RA, BLK

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



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



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

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



TE Part # DRC13-40PD
HDR, 40P, BLK, RA, 1032 FLG, SN/NI /CU, D



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



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

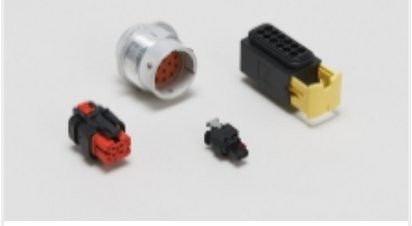


TE Part # 1062-16-1422
SOC, SF, SIZE 16, 12-16, SLVLES, NI/NI



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs

Also in the Series | DEUTSCH DRC



Automotive Housings(125)



Connector Strain Relief(9)

Customers Also Bought



TE Part #HD30-18BT-BK
BOOT, 18SZ, ST, BLK



TE Part #HD34-18-20PN
REC, 20P, AL, N, 16/20, P



TE Part #HDP26-18-20SE
PLG, 20P, BLK, E, 16/20, S



TE Part #DRC18-40SCE-P013
PLG, 40P, BLK, E, SEAL BOND, C



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



TE Part #YHVA630-5PHM-6MM-A
HVA630-5phm,5x6sqmm,Key A



TE Part #2-1418639-5
2POS MQS REC COD B



TE Part #4-1618391-0
LEV100A4ANH=RELAY,SPST-NO, 12VDC



TE Part #2236454-1
5POS,HVA630,180DEG,HEADER,COD A



TE Part #2103154-1
CABLE SEAL, SIZE 1, HVA280

Documents

Product Drawings

PLG, 40P, BLK, E, SEAL BOND, D

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DRC18-40SDE-P013_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DRC18-40SDE-P013_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DRC18-40SDE-P013_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

TERMINALS AND CONNECTORS

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English