DRC26-50S05 ✔ ACTIVE

DEUTSCH | DEUTSCH DRC

TE Internal #: DRC26-50S05

Housing for Female Terminals, Wire-to-Wire, 50 Position, 4.42 mm [.174 in] Centerline, Sealable, Black, Wire & Cable, Power, DEUTSCH DRC

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

Number of Positions: **50**

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

Centerline (Pitch): **4.42 mm [.174 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 Female Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Integrated in Housing

Configuration Features

Number of Positions	50
Number of Rows	5

Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	250 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black
Connector & Keying Code	05

Contact Features

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

Mechanical Attachment

Terminal Position Assurance	No
Strain Relief	With
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PA GF
Centerline (Pitch)	4.42 mm[.174 in]

Dimensions

Connector Height	36.45 mm[1.435 in]
Product Width	68.58 mm[2.7 in]
Product Length	32.36 mm[1.274 in]
Row-to-Row Spacing	4.42 mm[.174 in]
Compatible Insulation Diameter Range	1.02 – 2.41 mm[.04 – .095 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	Not Low Halogen - contains Br or Cl > 900 ppm.
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-D799-H342
DEUTSCH DRC Headers



TE Part # 1062-20-0622
SOC, SF, SIZE 20, 14-16, NI/NI



TE Part # 1062-20-0244
SOC, SF, SIZE 20, 16-22, AU/SN



TE Part # 1062-20-0322
SOC, SF, SIZE 20, 16-22, SLEVLESS, NI /NI



TE Part # 1062-20-0377
SOC, SF, SIZE 20, 16-22, SLEVLESS, SN /SN



TE Part # 1062-20-0277
SOC, SF, SIZE 20, 16-22, SN/SN



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



TE Part # CAT-D799-B128
DEUTSCH DRC Backshells



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



TE Part # 1062-20-0222
SOC, SF, SIZE 20, 16-22, NI/NI



TE Part # 1062-20-0122
SOC, SF, SIZE 20, 16-22, NI/NI



TE Part # 1062-20-0144
SOC, SF, SIZE 20, 16-22, AU/SN



TE Part # 1062-20-0177
SOC, SF, SIZE 20, 16-22, SN/SN



TE Part # 1062-20-0344
SOC, SF, SIZE 20, 16-22, SLEVLESS, AU /SN



TE Part # 1062-20-0644
SOC, SF, SIZE 20, 14-16, AU/SN



TE Part # 1062-20-0677
SOC, SF, SIZE 20, 14-16, SN/SN



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

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

TE Part # 1060-20-0677
PIN, SF, SIZE 20, 14-16, SN/SN

Also in the Series | DEUTSCH DRC



Automotive Housings(117)



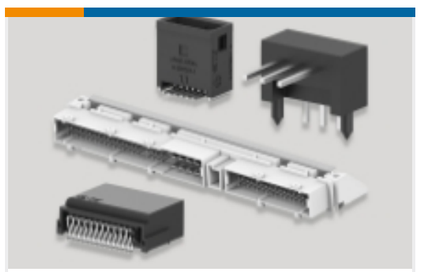
Connector Backshells(6)



Connector Strain Relief(3)



Insertion & Extraction Tools(7)



PCB Headers & Receptacles(44)

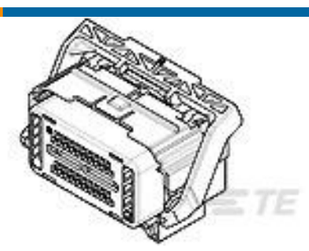
Customers Also Bought



TE Part #HDP26-24-16SN-L017
DEUTSCH HDP20 Housings



TE Part #DRC26-50S03
DEUTSCH DRC Housings



TE Part #5-1438082-1
46 WAY HARNESS ASSEMBLY

TE Part #K1149401

Documents

Product Drawings

PLG, 50P, BLK, N, 05

English

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

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Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

Product Specifications

Product Specification

English

Agency Approvals

UL Report

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

2834055-1 SBCHE154R7K 3430B2F51RTDF CPF0402B37K4E1 MPT100C18RF SMW73R0JT 1-962915-1
936348-1 U5254-000005-030PA 2-292161-3 2005330-1 2310537-1 650075-000 CRGCQ2010J3K3
SBCHE64R7K 2380312-2 3-1393225-0 917696-1 ROX05SJ18R 141991-2 1903112-2 3631B101LL
1393431-1 1743455-2 RH73H2A40MKTN TE50BR39J 1-794222-0 175977-2 1969656-1 2377783-2