

DRC22-40PA ✓ ACTIVE

DEUTSCH | DEUTSCH DRC

TE Internal #: DRC22-40PA

Housing for Male Terminals, Wire-to-Wire, 40 Position, .174 in [4.4 mm] Centerline, Sealable, Black, Cable Mount (Free-Hanging), 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 Male Terminals**

Centerline (Pitch): **4.4 mm [.174 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 Male Terminals
Sealable	Yes
Primary Locking Feature	Integrated in Housing

Configuration Features

Number of Positions	40
Number of Rows	4

Electrical Characteristics

Operating Voltage	250 VDC
Nominal Voltage Architecture	12 V, 24 V, 42 V, 48 V, 80 V, 90 V, 125 V, 240 V

Body Features

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



Contact Features

Contact Size	Size 20
Contact Type	Pin
Mating Pin Diameter	1 mm[.039 in]
Contact Current Rating (Max)	7.5 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	PA
Centerline (Pitch)	4.4 mm[.174 in]

Dimensions

Connector Height	93.98 mm[3.7 in]
Product Width	50.93 mm[2 in]
Product Length	38.1 mm[1.5 in]

Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F]
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]

Industry Standards

Degree of Protection	IP68
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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
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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

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-D799-CH8172
DEUTSCH DRC Housings

TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts

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

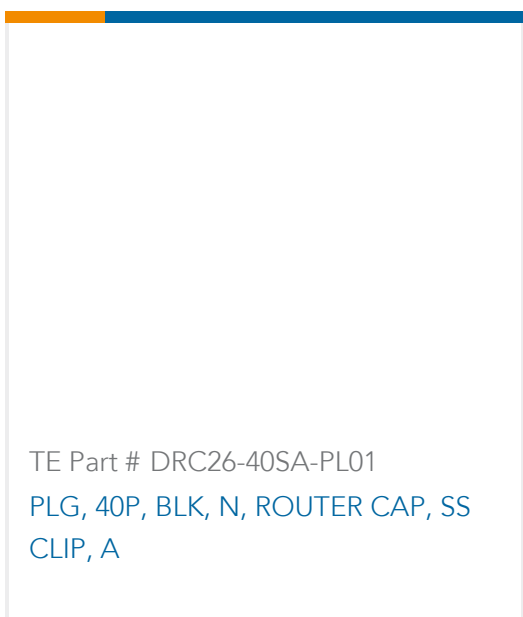
TE Part # 1062-20-0222
SOC, SF, SIZE 20, 16-22, NI/NI

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 # 0504-003-4001
DUST CAP, 40P, REC, BLK, DRC20

TE Part # 0515-013-4005
PROTECT CVR, 40P, REC, YEL, DRC20



TE Part # DRC26-40SA-PL01
PLG, 40P, BLK, N, ROUTER CAP, SS
CLIP, A

Also in the Series | DEUTSCH DRC



Automotive Housings(112)



Connector Backshells(6)



Connector Strain Relief(3)



Insertion & Extraction Tools(7)



PCB Headers & Receptacles(44)

Customers Also Bought



TE Part #1028-034-1205
BKSHL, 12P, BLK, REC, ST, NW 13/17



TE Part #1456987-3
GET .64 CONNECTOR SYSTEM,
CONNECTOR HSG



TE Part #5050462-8
SOCKET,MIN-SPR SN-AU SER-2



TE Part #T4162123005-001
RPC-M12-5MS-0.5SH-M12-5FS-PUR



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



TE Part #HDP26-24-47SE-L017
PLG, 47P, BLK, E, RNG, 16/20, S



TE Part #52934-1
TERMINAL,PIDG SPR SPD 16-14 5



TE Part #TAD14545101-020
M12D4-MS-FS-PUR-22SH-TYPE C
GREEN-2.0M



Documents

Product Drawings

[40P RECP ASM](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_DRC22-40PA_99.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DRC22-40PA_99.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DRC22-40PA_99.3d_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

[Product Specification](#)

English

[Product Specification](#)

English

Agency Approvals

[UL Report](#)

English