

DRC16-24SA ✓ ACTIVE

DEUTSCH | DEUTSCH DRC

TE Internal #: DRC16-24SA

Housing for Female Terminals, Wire-to-Wire, 24 Position, .216 in [5.49 mm] Centerline, Sealable, Black, Wire & Cable, Power & Signal, DEUTSCH DRC

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Connectors > Automotive Connectors > Connector Housings > DEUTSCH DRC HOUSINGS



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

Mating Pin Diameter: **1.59 mm [.063 in]**

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

Number of Positions: **24**

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

[All DEUTSCH DRC HOUSINGS \(112\)](#)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Number of Positions	24
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°
Body Material	PPS GF



Primary Product Color	Black
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Connector Code	A
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Contact Features

Contact Size	Size 16
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Contact Type	Socket
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Mating Pin Diameter	1.59 mm[.063 in]
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Contact Current Rating (Max)	13 A
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Mechanical Attachment

Mounting Feature	Without
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Terminal Position Assurance	No
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Strain Relief	Add By Accessory
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Mating Alignment Type	Keyed
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Mating Alignment	With
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

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

Product Width	53.34 mm[2.1 in]
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Product Length	40.64 mm[1.6 in]
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Product Height	29.16 mm[1.148 in]
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Row-to-Row Spacing	5.49 mm[.216 in]
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Usage Conditions

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

Circuit Application	Power & Signal
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Industry Standards

Agency/Standard	SAE J2030
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Degree of Protection	IP68, IP6K9K
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UL Flammability Rating	20mm Flame Test per Standard UL-94
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Packaging Features



Packaging Quantity	125
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Packaging Method	Box
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Other

Serviceable	Yes
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Connector Position Assurance Capable	No
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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
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not reviewed for solder process capability
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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-SP729
DEUTSCH SEALING PLUGS



TE Part # CAT-D799-H342
DEUTSCH DRC HEADERS



TE Part # 0411-291-1405
EXT TOOL, SIZE 16, 14-16 AWG, N, GRN



TE Part # 0411-204-1605
EXT TOOL, SIZE 16, 16-18 AWG, N, DRK BLU



TE Part # CAT-D48-SFT273
DEUTSCH STAMPED & FORMED CONTACTS



TE Part # CAT-D48-ST273
DEUTSCH SOLID CONTACTS




TE Part # DRC24-BT
BOOT, 24P, 16SZ, PLG/REC, ST, BLK

TE Part # 0515-005-2405
PROTECT CVR, 24P, PLG, YEL, DRC16


TE Part # DRC24-BT-DH
BOOT, 24P, 16SZ, PLG/REC,ST,DRN HOLE,BLK

TE Part # DRC24-BT-YW
BOOT, 24P, 16SZ, PLG/REC, ST, YEL


Also in the Series | **DEUTSCH DRC**



Automotive Connector Caps & Covers (9)



Automotive Housings(112)



Insertion & Extraction Tools(7)




PCB Headers & Receptacles(41)

Customers Also Bought



TE Part #HD34-24-23PN-059
DEUTSCH HD30 HOUSINGS



TE Part #DT04-12PA-E003
DEUTSCH DT Series Housings & Connectors



TE Part #DRC12-24PB
DEUTSCH DRC HOUSINGS



TE Part #HDP26-24-29SE-L017
PLG, 29P, BLK, E, RNG, 12/16/20, S



Documents

Product Drawings

[PLG, 24P, BLK, N, A](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_DRC16-24SA_99_c-drc16-24sa-99.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DRC16-24SA_99_c-drc16-24sa-99.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DRC16-24SA_99_c-drc16-24sa-99.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

Product Specifications

[Engineering Report](#)

English

Agency Approvals

[UL Report](#)

English