

### DEUTSCH | DEUTSCH DRC

TE Internal #: DRC16-24SB

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

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Connector System: Wire-to-Wire

Number of Positions: 24

Connector & Housing Type: Housing for Female Terminals

Centerline (Pitch): 5.49 mm [ .216 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	
Blank Cavity Position	0
Number of Positions	24
Number of Rows	4
Electrical Characteristics	
Operating Voltage	250 VAC
Nominal Voltage Architecture	250 V
Body Features	
Cable Exit Angle	180°

Black

Primary Product Color



Connector & Keying Code	В
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	29.16 mm[1.148 in]
Product Width	53.34 mm[2.1 in]
Product Length	40.64 mm[1.6 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
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)  SVHC > Threshold:  Octamethylcyclotetrasiloxane (D4) (.5% in Component Part)  Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part)  Decamethylcyclopentasiloxane (D5) (.5% 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





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



TE Part # CAT-D48-ST273 **DEUTSCH Solid Contacts** 



TE Part # CAT-D48-SP729 **DEUTSCH Sealing Plugs** 



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



TE Part # CAT-D799-H342 DEUTSCH DRC Headers



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



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

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

## Also in the Series | DEUTSCH DRC

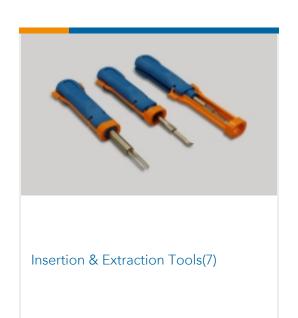


Automotive Housings(117)









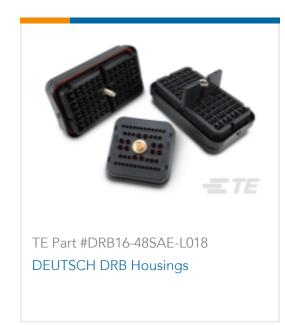


Customers Also Bought















### **Documents**

**Product Drawings** 

PLG, 24P, BLK, N, B

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_DRC16-24SB\_C.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_DRC16-24SB\_C.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_DRC16-24SB\_C.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

**CONNECTOR SELECTOR** 

English

**Product Specifications** 

**Application Specification** 

English

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Agency Approvals

**UL Report** 

English