

# DRC18-40SC ✓ ACTIVE

DEUTSCH | DEUTSCH DRC

TE Internal #: DRC18-40SC

Housing for Female Terminals, Wire-to-Wire, 40 Position, .216 in [5.49 mm] Centerline, Sealable, Black, Wire & Cable, Power & Signal, DEUTSCH DRC

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

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

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

Number of Positions: **40**

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

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

## Features

### Product Type Features

|                                   |                              |
|-----------------------------------|------------------------------|
| Connector 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   | 40 |
| 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°  |
| Primary Product Color | Black |



|                         |   |
|-------------------------|---|
| Connector & Keying Code | C |
|-------------------------|---|

### 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 | 30.53 mm[1.202 in] |
|------------------|--------------------|

|               |                    |
|---------------|--------------------|
| Product Width | 72.85 mm[2.868 in] |
|---------------|--------------------|

|                |                    |
|----------------|--------------------|
| Product Length | 40.44 mm[1.592 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 & Signal |
|---------------------|----------------|

### Industry Standards

|                      |              |
|----------------------|--------------|
| Degree of Protection | IP68, IP6K9K |
|----------------------|--------------|

|                 |           |
|-----------------|-----------|
| Agency/Standard | 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: JAN 2023 (233)  
Candidate List Declared Against: JAN 2023 (233)  
Does not contain REACH SVHC


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-H342  
DEUTSCH DRC Headers



TE Part # CAT-D48-SP729  
DEUTSCH Sealing Plugs



TE Part # CAT-D48-ST273  
DEUTSCH Solid Contacts



TE Part # CAT-D799-CH8172  
DEUTSCH DRC Housings




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




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



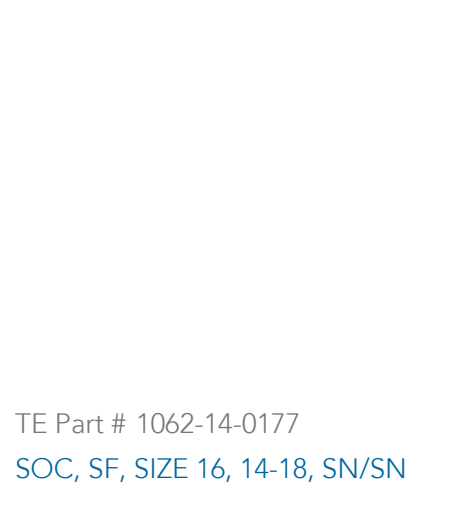
TE Part # CAT-J67-DSCC16  
DEUTSCH Size 16 Crimp Contacts




TE Part # 0462-006-1631  
SOC, SOLID, SIZE 16, 20-24AWG, AU



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




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



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

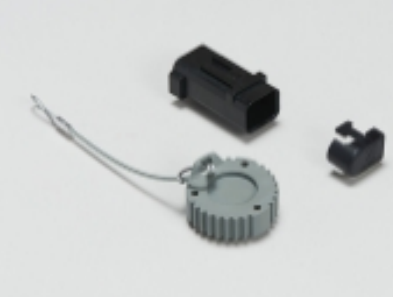


TE Part # DRC40-BT-GRAY  
BOOT, 40P, 16SZ, PLG/REC, ST, GRY




TE Part # DRC40-BT-YW  
BOOT, 40P, 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(44)

Customers Also Bought



TE Part #DRC16-24SA-P013  
DEUTSCH DRC Housings



TE Part #WB-51PAR  
WEDGE LOCK, 102P, REC, GRY, RT, DRB, A



TE Part #DT04-3P-CL06  
REC, 3P, BLK, E, FLANGE



TE Part #776429-4  
AS 16, 3P PLUG ASSY, KEY 4



## Documents

### Product Drawings

[PLG, 40P, BLK, N, C](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_DRC18-40SC\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DRC18-40SC\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DRC18-40SC\\_B.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

[Application Specification](#)

English

### Agency Approvals

[UL Report](#)

English