# DRB16-102SBE-L018 ✔ ACTIVE

DEUTSCH | DEUTSCH DRC

TE Internal #: DRB16-102SBE-L018

12 V / 24 V / 48 V, 102 Position, Automotive Housing for Female Terminals, Wire-to-Wire, DEUTSCH DRC

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Automotive Parts > Automotive Connectors > Automotive Housings > DEUTSCH DRB Housings







Nominal Voltage Architecture: **12 V, 24 V, 48 V**

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

Number of Positions: **102**

Sealable: **Yes**

Operating Temperature Range: **-55 – 125 °C [ -67 – 257 °F ]**

All DEUTSCH DRB Housings (19)

## Features

### Product Type Features

| | |
|---|---|
| Mixed & Hybrid Connector | Yes |
| Connector Shape | Rectangular |
| Connector & Housing Type | Housing for Female Terminals |
| Sealable | Yes |
| Primary Locking Feature | Integrated in Housing |
| Connector System | Wire-to-Wire |
| Connector & Contact Terminates To | Wire & Cable |

### Configuration Features

| | |
|---|---|
| Blank Cavity Position | 0 |
| Connector Seal Code | E Seal |
| Number of Positions | 102 |
| Number of Rows | 12 |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 250 VDC |
| Nominal Voltage Architecture | 12 V, 24 V, 48 V |

## Body Features

| | |
|---|---|
| Cable Exit Angle | 180° |
| Primary Product Color | Black |
| Connector & Keying Code | B |

## Contact Features

| | |
|---|---|
| Contact Size | Size 12, Size 16, Size 4, Size 8 |
| Contact Type | Socket |
| Mating Pin Diameter | 1.59 mm, 2.39 mm, 3.61 mm, 5.72 mm[.063 in][.094 in][.142 in][.225 in] |
| Contact Current Rating (Max) | 13 A, 25 A, 60 A, 100 A |

## Mechanical Attachment

| | |
|---|---|
| Strain Relief | With |
| Terminal Position Assurance | Yes |
| Mating Alignment Type | Keyed |
| Mating Alignment | With |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

## Housing Features

| | |
|---|---|
| Housing Material | PA GF |
| Centerline (Pitch) | 4.45 mm, 6.71 mm, 22.5 mm[.175 in][.264 in][.886 in] |

## Dimensions

| | |
|---|---|
| Row-to-Row Spacing | 3.81 mm, 4.83 mm, 6.6 mm, 7.62 mm, 8.61 mm, 8.63 mm[.15 in][.19 in][.26 in][.3 in][.339 in][.34 in] |
| Compatible Insulation Diameter Range | 1.35 – 3.05 mm, 2.46 – 4.01 mm, 3.43 – 5.59 mm, 6.63 – 7.42 mm[.053 – .12 in][.097 – .158 in][.135 – .22 in][.261 – .292 in] |
| Product Width | 125.75 mm[4.951 in] |
| Product Length | 45.16 mm[1.778 in] |
| Connector Height | 75.34 mm[2.966 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |

| | |
|---|---|
| Operating Temperature (Max) | 125 °C[257 °F] |

### Operation/Application

| | |
|---|---|
| Circuit Application | Power |

### Industry Standards

| | |
|---|---|
| IP Rating | IP68, IP6K9K |
| Compatible With Agency/Standards Products | SAE J2030 |

### Packaging Features

| | |
|---|---|
| Packaging Quantity | 72 |
| 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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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-SFT273
DEUTSCH Stamped and Formed Contacts

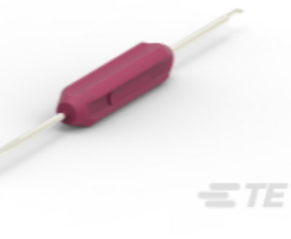


TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



TE Part # 1062-16-1422
SOC, SF, SIZE 16, 12-16, SLVLES, NI/NI

TE Part # 3315-016-0005
PROTECT CVR, 102/128P, PLG, YEL, DRB

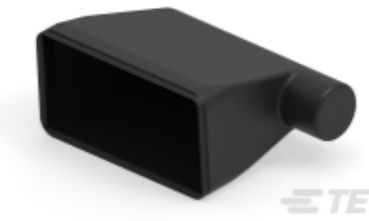


TE Part # DRB12-102PBE-L018
REC, 102P, BLK, E, CAP, B



TE Part # DT-RT1
EXT TOOL, FRONT RELEASE

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



TE Part # DRB102-BT-90DEG
BOOT, 102P, PLG/REC, RA, BLK



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts

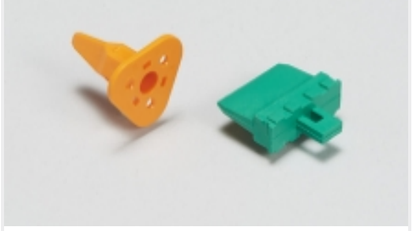


TE Part # CAT-D781-W416
DEUTSCH DRB Wedgelocks

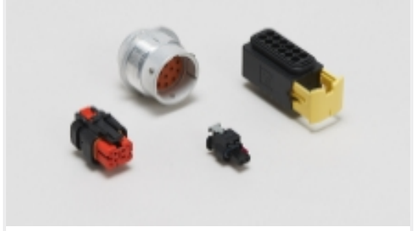


TE Part # DRB102-BT
BOOT, 102P, PLG/REC, ST, BLK

# Also in the Series | DEUTSCH DRC



Automotive Connector Locks & Position Assurance(5)



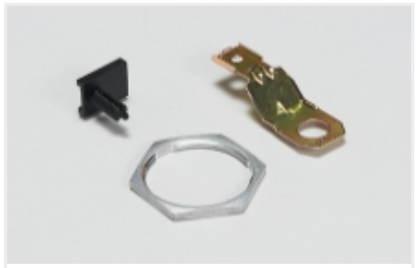
Automotive Housings(125)



Automotive Seals & Cavity Plugs(3)



Connector Strain Relief(9)

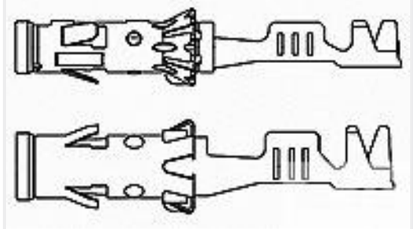


Other Automotive Connector Accessories(2)

## Customers Also Bought



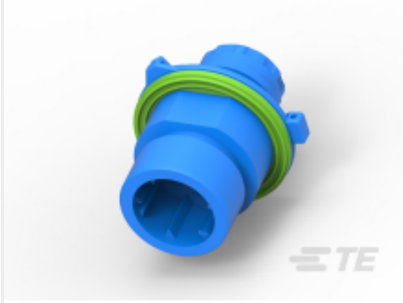
TE Part #CAT-D781-W416
DEUTSCH DRB Wedgelocks



TE Part #929989-1
1,5MM SOCK CONTACT



TE Part #965786-1
ABDECKKAPPE 180GRD



TE Part #CAT-C4962-CH8172
Circular DIN Housings



TE Part #7-1618387-1
LEV200A5ANA=RELAY, SPST-NO



TE Part #CAT-D781-CH8172
DEUTSCH DRB Housings

## Documents

### Product Drawings

PLG, 102P, BLK, E, CAP, B

English

### CAD Files

Customer View Model

ENG_CVM_CVM_DRB16-102SBE-L018_99.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DRB16-102SBE-L018_99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DRB16-102SBE-L018_99.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

## Datasheets & Catalog Pages

### TERMINALS AND CONNECTORS

English

### CONNECTOR SELECTOR

English

## Product Specifications

### Engineering Report

English

## Agency Approvals

### UL Report

English