

DRB16-102SAE-L018

✓ ACTIVE

DEUTSCH | DEUTSCH DRB

TE Internal #: DRB16-102SAE-L018

Housing for Female Terminals, Wire-to-Wire, 102 Position, .175 in / .886 in / .264 in [6.71 mm / 22.5 mm / 4.45 mm] Centerline, Sealable, DEUTSCH DRB

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DRB Housings



Connector System: **Wire-to-Wire**  
Number of Positions: **102**  
Connector & Housing Type: **Housing for Female Terminals**  
Centerline (Pitch): **4.45 mm, 6.71 mm, 22.5 mm [ .175 in, .264 in, .886 in ]**  
Sealable: **Yes**

[All DEUTSCH DRB Housings \(19\)](#)

Features

Product Type Features

|                                   |                              |
|-----------------------------------|------------------------------|
| Mixed & Hybrid Connector          | Yes                          |
| 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           |
| Connector Modification | Wire Router |
| Connector Seal Code    | E Seal      |
| Number of Positions    | 102         |
| Number of Rows         | 12          |

Electrical Characteristics

|                              |         |
|------------------------------|---------|
| Operating Voltage            | 250 VAC |
| Nominal Voltage Architecture | 250 V   |



Body Features

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

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

|                             |                            |
|-----------------------------|----------------------------|
| Terminal Position Assurance | Yes                        |
| Strain Relief               | With                       |
| 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

|                                      |                                                                                                                              |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Connector Height                     | 75.34 mm[2.966 in]                                                                                                           |
| Product Width                        | 125.75 mm[4.951 in]                                                                                                          |
| Product Length                       | 45.16 mm[1.778 in]                                                                                                           |
| 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] |

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    |

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: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<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



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TE Part # CAT-D48-SP729  
DEUTSCH Sealing Plugs



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



TE Part # CAT-D781-CH8172  
DEUTSCH DRB Housings



TE Part # CAT-D781-W416  
DEUTSCH DRB Wedgelocks



TE Part # CAT-D48-ST273  
DEUTSCH Solid Contacts



TE Part # DT-RT1  
EXT TOOL, FRONT RELEASE



TE Part # 1062-12-0144  
SOC, SF, SIZE 12, 12-14, AU/SN



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



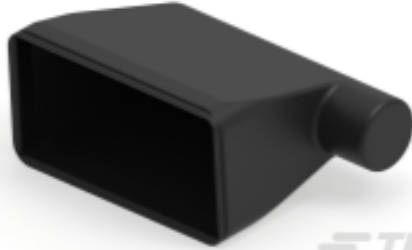
TE Part # 1062-12-0222  
SOC, SF, SIZE 12, 10, NI/NI



TE Part # 1062-12-0166  
SOC, SF, SIZE 12, 12-14, NI/SN



TE Part # 1062-12-0244  
SOC, SF, SIZE 12, 10, AU/SN



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

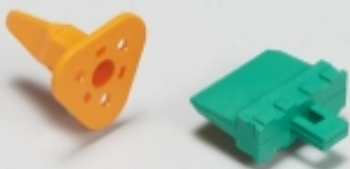
TE Part # 1062-14-0177  
SOC, SF, SIZE 16, 14-18, SN/SN

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

Also in the Series | DEUTSCH DRB



Automotive Connector Caps & Covers (1)



Automotive Connector Locks & Position Assurance(20)



Automotive Housings(19)



Connector Strain Relief(1)





Insertion & Extraction Tools(1)



Other Automotive Connector Accessories(6)

Customers Also Bought



TE Part # WB-51PAR  
DEUTSCH DRB Wedgelocks



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



TE Part # 0462-203-04141  
DEUTSCH Solid Contacts



TE Part # YD369-B66-NS100000  
369 6 WAY PANEL MOUNT REC,  
CRIMP, SKT



TE Part # 4828-007-8605  
BKSHL, 86P, BLK, VERTICAL, DRCP



TE Part # HD34-18-8PE-059  
REC,8P,AL,E, CBL CLMP BT, DRAIN,  
12,P,MC



TE Part # 400-4301-8S  
SZ 8 LOCATOR

Documents

Product Drawings

PLG, 102P, BLK, E, CAP, A

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_DRB16-102SAE-L018\_99.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_DRB16-102SAE-L018\_99.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_DRB16-102SAE-L018\_99.3d\_stp.zip

English

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**Datasheets & Catalog Pages**  
**ICT Terminals and Connectors Catalogue**  
English

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**Product Specifications**  
**Application Specification**  
English

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**Agency Approvals**  
**UL Report**  
English