

**DSTV HE BR6 S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

A heavy-duty connector consists of a connector insert and its protective housing. The insert is therefore the heart of the heavy-duty connector. It is responsible for electrical functioning. Connector inserts from Weidmüller are made from high-quality insulation materials, which allow secure transmission of high voltages in a tight space. Moreover, we use only a single type of plastic in our entire product line. This plastic is UL listed, and suitable for railway applications. This allows unlimited world-wide use of the RockStar® connector.

**General ordering data**

|            |                                                                                |
|------------|--------------------------------------------------------------------------------|
| Version    | HDC insert, Female, 500 V, 16 A, Number of poles: 6, Screw connection, Size: 3 |
| Order No.  | <a href="#">1848600000</a>                                                     |
| Type       | DSTV HE BR6 S                                                                  |
| GTIN (EAN) | 4032248371914                                                                  |
| Qty.       | 10 pc(s).                                                                      |

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**Technical data****Dimensions and weights**

|            |        |
|------------|--------|
| Net weight | 93.3 g |
|------------|--------|

**Environmental Product Compliance**

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

**General data**

|                                      |                                                             |                              |                   |
|--------------------------------------|-------------------------------------------------------------|------------------------------|-------------------|
| Insulating material                  | PC glass-fibre reinforced (UL-listed and railway-certified) | Insulating material group    | IIIa              |
| Insulation strength                  | $10^{10} \Omega$                                            | Material                     | Copper alloy      |
| Max. torque for main contact         | 0.7 Nm                                                      | Min. torque for main contact | 0.5 Nm            |
| Number of poles                      | 6                                                           | Plugging cycles, silver      | $\geq 200$        |
| Pollution severity                   | 3                                                           | Rated current (DIN EN 61984) | 16 A              |
| Rated impulse voltage (DIN EN 61984) | 6 kV                                                        | Rated voltage (DIN EN 61984) | 500 V             |
| Rated voltage according to UL/CSA    | 600 V AC/DC                                                 | Series                       | DSTV-HE           |
| Size                                 | 3                                                           | Surface finish               | Silver passivated |
| Type                                 | Female                                                      | UL 94 flammability rating    | V-0               |
| Volume resistance                    | $\leq 3 \text{ m}\Omega$                                    |                              |                   |

**Connection data PE**

|                                       |                   |                                       |              |
|---------------------------------------|-------------------|---------------------------------------|--------------|
| Blade size, crosshead                 | size PZ 1         | Blade size, slotted (PE connection)   | SD 0.8 x 4.0 |
| Connection type PE                    | Screw connection  | Fixing screw                          | M 4          |
| Rated cross-section                   | 4 mm <sup>2</sup> | Stripping length PE connection        | 10 mm        |
| Tightening torque, max. PE connection | 1.6 Nm            | Tightening torque, min. PE connection | 1.2 Nm       |
| Wire cross section, AWG (PE), max.    | AWG 12            | Wire cross section, AWG (PE), min.    | AWG 20       |

**Version**

|                                                                                         |                          |                                                                                         |                   |
|-----------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------|-------------------|
| Blade size                                                                              | size PZ 0                | Blade size, slotted (screw connection)                                                  | SD 0.6 x 3.5      |
| Clamping screw                                                                          | M 3                      | Conductor cross-section, max.                                                           | 4 mm <sup>2</sup> |
| Conductor cross-section, min.                                                           | 0.5 mm <sup>2</sup>      | Material                                                                                | Copper alloy      |
| Max. torque for main contact                                                            | 0.7 Nm                   | Min. torque for main contact                                                            | 0.5 Nm            |
| Size                                                                                    | 3                        | Stripping length, rated connection                                                      | 12 mm             |
| Surface finish                                                                          | Silver passivated        | Type of connection                                                                      | Screw connection  |
| Volume resistance                                                                       | $\leq 3 \text{ m}\Omega$ | Wire connection cross section AWG, max.                                                 | AWG 12            |
| Wire connection cross section AWG, min.                                                 | AWG 20                   | Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup>      | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 4 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup>      | Wire cross-section, solid, max.                                                         | 4 mm <sup>2</sup> |
| Wire cross-section, solid, min.                                                         | 0.5 mm <sup>2</sup>      |                                                                                         |                   |

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002311    | ETIM 7.0    | EC002311    |
| ECLASS 9.0  | 27-44-02-03 | ECLASS 9.1  | 27-44-02-03 |
| ECLASS 10.0 | 27-44-02-03 | ECLASS 11.0 | 27-44-02-03 |

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## Technical data

### Approvals

Approvals



|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

|                       |        |
|-----------------------|--------|
| UL File Number Search | E92202 |
|-----------------------|--------|

### Downloads

Approval/Certificate/Document of  
Conformity

[Manufacturer's declaration](#)

Engineering Data

[STEP](#)

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## Drawings

