

DSTV HE BL24 S**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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: 24, Screw connection, Size: 8
Order No.	1848590000
Type	DSTV HE BL24 S
GTIN (EAN)	4032248371709
Qty.	10 pc(s).

Creation date December 4, 2023 10:36:30 AM CET

Catalogue status 24.11.2023 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Net weight 272 g

General data

BG	8	Free from halogens	false
Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)	Insulating material group	IIIa
Insulation strength	10 ¹⁰ Ω	Low smoke acc. DIN EN 45545-2	Yes
Material	Copper alloy	Max. torque for main contact	0.7 Nm
Min. torque for main contact	0.5 Nm	Number of poles	24
Plugging cycles, silver	≥ 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	8
Surface finish	Silver passivated	Type	Female
UL 94 flammability rating	V-0	Volume resistance	≤3 mΩ

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 ²	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

BG	8	Blade size	size PZ0
Blade size, slotted (screw connection)	SD 0.6 x 3.5	Clamping screw	M 3
Conductor cross-section, max.	4 mm ²	Conductor cross-section, min.	0.5 mm ²
Material	Copper alloy	Max. torque for main contact	0.7 Nm
Min. torque for main contact	0.5 Nm	Size	8
Stripping length, rated connection	12 mm	Surface finish	Silver passivated
Type of connection	Screw connection	Volume resistance	≤3 mΩ
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 ²	Wire connection cross section, finely stranded, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²
Wire cross-section, solid, max.	4 mm ²	Wire cross-section, solid, min.	0.5 mm ²

Classifications

ETIM 6.0	EC002311	ETIM 7.0	EC002311
ETIM 8.0	EC002311	ETIM 9.0	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
ECLASS 12.0	27-44-02-03	ECLASS 13.0	27440203

Data sheet

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Technical data

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	d0694b55-f1aa-4d24-a200-c532c6ffc384

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E92202

Downloads

Approval/Certificate/Document of Conformity	Manufacturer's declaration
Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN

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Drawings

