

HDC AOC 6 FS**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, 40 A, Number of poles: 6, Screw connection, Size: 3
Order No.	2466800000
Type	HDC AOC 6 FS
GTIN (EAN)	4050118501568
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Depth	34.8 mm	Depth (inches)	1.37 inch
Height	41.7 mm	Height (inches)	1.642 inch
Width	51 mm	Width (inches)	2.008 inch
Net weight	66 g		

Temperatures

Limit temperature	-40 °C ... 125 °C
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Dimensions

Height of socket	41.7 mm	Total length base	34.8 mm
Width	51 mm		

General data

BG	3	Colour	Light Grey
Conductor cross-section	3 mm ²	Free from halogens	false
Insulating material	Polyester glass-fibre reinforced, Polycarbonate	Insulation strength	≥ 10 ¹⁰ Ω
Low smoke acc. DIN EN 45545-2	Yes	Material	Polycarbonate, glass fibre reinforced
Number of poles	6	Plugging cycles, silver	500
Pollution severity	3	Rated current (DIN EN 61984)	40 A
Rated impulse voltage (DIN EN 61984)	6 kV	Rated voltage (DIN EN 61984)	500 V
Series	AOC	Size	3
Type	Female	Type of connection	Screw connection
UL 94 flammability rating	V-0	Volume resistance	2.00 mΩ

Connection data PE

Blade size, crosshead	0.6 x 3.5 mm	Connection type PE	Screw connection
Fixing screw	M 4	Rated cross-section	4 mm ²
Stripping length PE connection	11 mm	Tightening torque, max. PE connection	1.5 Nm
Tightening torque, min. PE connection	1.2 Nm	Wire cross section, AWG (PE), max.	AWG 12
Wire cross section, AWG (PE), min.	AWG 16		

Signal contact

Tightening torque, signal contact, max.	1.5 Nm	Tightening torque, signal contact, min.	1.2 Nm
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Technical data

Version

BG	3	Conductor cross-section, max.	4 mm ²
Conductor cross-section, min.	1.5 mm ²	Material	Polycarbonate, glass fibre reinforced
Size	3	Stripping length, rated connection	11 mm
Type of connection	Screw connection	Volume resistance	2.00 mΩ
Wire connection cross section AWG, max.	AWG 12	Wire connection cross section AWG, min.	AWG 16
Wire connection cross section, finely stranded, max.	4 mm ²	Wire connection cross section, finely stranded, min.	1.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm ²	Wire cross-section, solid, max.	4 mm ²
Wire cross-section, solid, min.	1.5 mm ²		

Classifications

ETIM 6.0	EC000438	ETIM 7.0	EC000438
ETIM 8.0	EC000438	ETIM 9.0	EC000438
ETIM 10.0	EC000438	ECLASS 9.0	27-44-02-05
ECLASS 9.1	27-44-02-05	ECLASS 10.0	27-44-02-05
ECLASS 11.0	27-44-02-05	ECLASS 12.0	27-44-02-05
ECLASS 13.0	27-44-02-05	ECLASS 14.0	27-44-02-05
ECLASS 15.0	27-44-02-05		

Approvals

ROHS	Conform
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Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1 Potassium perfluorobutane sulfonate 29420-49-3
SCIP	b67daa31-7dca-434d-8290-da7fb52f83a2

Downloads

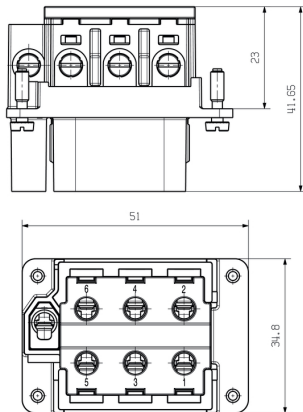
Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format

HDC AOC 6 FS

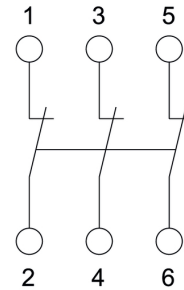
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Drawings



Connection diagram



Three-phase Anti-open Circuit Diagram