

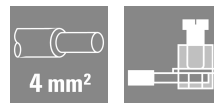
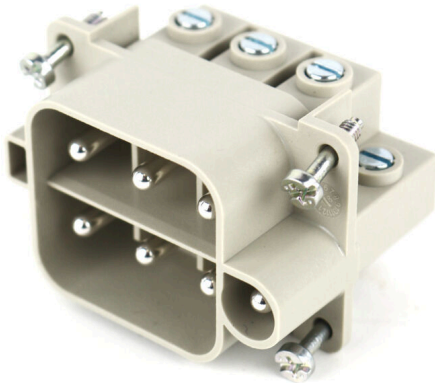
**HDC AOC 6 MS****Weidmüller Interface GmbH & Co. KG**

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 worldwide use of the RockStar® connector.

**General ordering data**

Version	HDC insert, Pin, 500 V, 40 A, Number of poles: 6, Screw connection, Installation size: 3
Order No.	<a href="#">2466810000</a>
Type	HDC AOC 6 MS
GTIN (EAN)	4050118501575
Qty.	1 items

## HDC AOC 6 MS

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Approvals

ROHS	Conform
------	---------

## Dimensions and weights

Depth	34.8 mm	Depth (inches)	1.3701 inch
Height	41.7 mm	Height (inches)	1.6417 inch
Width	51 mm	Width (inches)	2.0079 inch
Net weight	68.3 g		

## Temperatures

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

## 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

## Dimensions

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

## General data

Number of poles	6	Plugging cycles, silver	≥ 500
Plugging cycles, gold	≥ 500	Type of connection	Screw connection
Installation size	3	UL 94 flammability rating	V-0
Volume resistance	2.00 mΩ	Colour	Light Grey
Insulation resistance	≥ 10 <sup>10</sup> Ω	Insulating material	Polyester glass-fibre reinforced, Polycarbonate
Conductor cross-section	3 mm <sup>2</sup>	Tightening torque, max. PE connection	1.5 Nm
Type	Pin	Pollution severity	3
Tightening torque, min. PE connection	1.2 Nm	Basic material	Polycarbonate, glass fibre reinforced
Series	AOC	Rated voltage (DIN EN 61984)	500 V
Rated impulse voltage (DIN EN 61984)	6 kV	Rated current (DIN EN 61984)	40 A
Free from halogens	false	Low smoke acc. DIN EN 45545-2	Yes
BG	3	Number of signal contacts	0

## Connection data PE

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

## Signal contact

Tightening torque, signal contact, max.	1.5 Nm	Tightening torque, signal contact, min.	1.2 Nm
---	--------	---	--------

**HDC AOC 6 MS**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

**Technical data**

**Version**

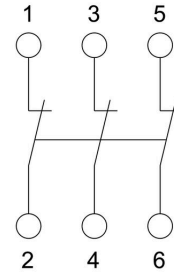
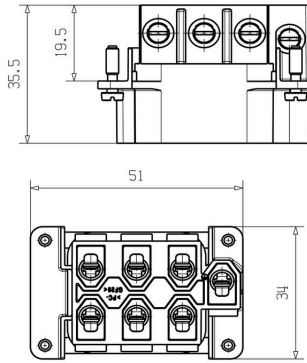
Wire connection cross section AWG, max.	AWG 12	Stripping length, rated connection	11 mm
Type of connection	Screw connection	Installation size	3
Volume resistance	2.00 mΩ	Wire connection cross section AWG, min.	AWG 16
Wire cross-section, solid, max.	4 mm <sup>2</sup>	Wire cross-section, solid, min.	1.5 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, max.	4 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	1.5 mm <sup>2</sup>	Conductor cross-section, max.	4 mm <sup>2</sup>
Conductor cross-section, min.	1.5 mm <sup>2</sup>	Basic material	Polycarbonate, glass fibre reinforced
BG	3		

**Classifications**

ETIM 8.0	EC000438	ETIM 9.0	EC000438
ETIM 10.0	EC000438	ECLASS 14.0	27-44-02-05
ECLASS 15.0	27-44-02-05		

Drawings

Connection diagram



Three-phase Anti-open Circuit Diagram