Weidmüller ⧓

HDC IP68 04A AWS 1M20

IP68 · RoHS COMPLIANT

The new RockStar® enclosures are resistant to seawater and offer a high degree of shock resistance, meet IP 68 and IP 69K, and have been developed for use under extreme environmental conditions and designed for the high vibration requirements acc. to DIN EN 61373 cat. 2 (bogie). As such, this housing family is ideally suited for fault- and maintenance-free operation of heavy-duty connectors in transport and traffic engineering as well as in power engineering and in applications with extreme requirements. During development, measures were also implemented to make the enclosures extremely EMC-resistant.

General ordering data

Version	HDC enclosures, Size: 1, Protection degree: IP66 (in plugged condition), IP68 (in plugged condition), Bulkhead housing, Clamping yoke connection, Standard, Size of cable entries: M 20
Order No.	1081480000
Type	HDC IP68 04A AWS 1M20
GTIN (EAN)	4032248844227
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	50 mm	Depth (inches)	1.969 inch
Height	44 mm	Height (inches)	1.732 inch
Width	67 mm	Width (inches)	2.638 inch
Mounting dimension - height	41 mm	Mounting dimension - width	41 mm
Net weight	135 g		

Temperatures

Limit temperature	-50 °C ... 125 °C

Dimensions

Cable entry	w. thread	Height of housing B	44 mm
Hole pitch length A2	41 mm	Total length housing	50 mm

General data

EMC housings	Yes	Housing main material	diecast aluminium
Protection degree	IP66 (in plugged condition), IP68 (in plugged condition)	Surface finish	
			Powder coating

Version

BG	1	Cable entry	w. thread
Clamp version	Clamping yoke connection	Colour (RAL)	RAL 9011
Design	Standard	Design of housing	Bulkhead housing
Design of locking system	Clamping yoke connection	Internal thread	M 20
Number of cable entry on top	0	Number of cable entry sideways	1
Sealing	Silicone	Size	1
Size of cable entries	M 20	Suitable for ModuPlug®	No
Top part/bottom part/lid	lower part	Type	Bulkhead (feed-through)

Classifications

ETIM 6.0	EC000437	ETIM 7.0	EC000437
ETIM 8.0	EC000437	ETIM 9.0	EC000437
ECLASS 9.0	27-44-02-02	ECLASS 9.1	27-44-02-02
ECLASS 10.0	27-44-02-02	ECLASS 11.0	27-44-02-02
ECLASS 12.0	27-44-02-02	ECLASS 13.0	27-44-02-02
ECLASS 14.0	27-44-02-02		

Substance	Acetone
Chemical resistance	Resistant
Substance	Diesel oil
Chemical resistance	Unstable
Substance	Ethyl alcohol
Chemical resistance	Resistant
Substance	Transmission oil
Chemical resistance	Conditionally resistant
Substance	Hydraulic oil

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

www.weidmueller.com

Technical data

Chemical resistance	Conditionally resistant
Substance	Petroleum benzine
Chemical resistance	Unstable
Substance	Sweat
Chemical resistance	Conditionally resistant
Substance	Premium gasoline
Chemical resistance	Unstable
Substance	Water
Chemical resistance	Resistant
Substance	UV
Chemical resistance	Resistant
Substance	Ozone
Chemical resistance	Resistant

Environmental Product Compliance

REACH SVHC	/
Chemical resistance	de.myview.objectmodel.impl.BlockImpl@4f9018a9 de.myview.objectmodel.impl.BlockImpl@16bf94c4 de.myview.objectmodel.impl.BlockImpl@7098e05d de.myview.objectmodel.impl.BlockImpl@22a56da8 de.myview.objectmodel.impl.BlockImpl@6dbf7c05 de.myview.objectmodel.impl.BlockImpl@7ccccc2 de.myview.objectmodel.impl.BlockImpl@30e14e6e de.myview.objectmodel.impl.BlockImpl@39a0adf7 de.myview.objectmodel.impl.BlockImpl@2fe9b192 de.myview.objectmodel.impl.BlockImpl@4ea2d271 de.myview.objectmodel.impl.BlockImpl@740a77f5
RoHS Compliance Status	Compliant without exemption

Important note

Product information	When mounting the housings, make sure that the flat gasket is correctly seated.

Approvals

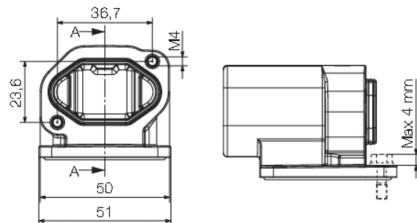|	
Approvals	
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	Manufacturer's declaration
Engineering Data	CAD data – STEP
Product Change Notification	20220214 Technical change to HDC housings 20220214 Technische Änderung bei HDC-Gehäusen
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN FL FIELDWIRING EN

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Drawings

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Accessories

Flange seals

We offer a variety of accessories, including seals, to accompany the housings.
Because of the excellent sealing, you can achieve the best seal possible with our housings.
Extensive testing has confirmed it – RockStar® remains impermeable to water to a depth of 50 metres This allows you to use heavy-duty connectors in environments which previously required fixed-wire installation.

General ordering data

Type	HDC FLDG 04A AW IP68	Version	
Order No.	1987470000	Accessories, Enclosures accessories	
GTIN (EAN)	4050118379204		
Qty.	100 pc(s).		

IP68 O-ring seals

We offer a variety of accessories, including seals, to accompany the housings.
Because of the excellent sealing, you can achieve the best seal possible with our housings.
Extensive testing has confirmed it – RockStar® remains impermeable to water to a depth of 50 metres This allows you to use heavy-duty connectors in environments which previously required fixed-wire installation.

General ordering data

Type	HDC DG 04A IP68	Version	
Order No.	1987460000	Accessories, Enclosures accessories	
GTIN (EAN)	4050118379259		
Qty.	100 pc(s).		

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