

HDC 48A ALU**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**IP65**

The special die-cast alloy and the multi-layered surface sealing provide complete protection for the HDC housings.

The cleverly designed interlock system is manufactured from stainless steel. This guarantees a long lifespan with high resistance to corrosion and impact.

The housing interlock system provides integrated safety. Our unique, patented spring system provides the housing interlock with a secure grip and prevents accidental opening.

The laser marking allows for easy and quick identification. Each housing is permanently labelled with a laser marking so that each product can be quickly designated and positioned.

Weidmüller RockStar® IP 65 / NEMA Type 4X housings - your first choice for industrial housings with IP 65 protection.

General ordering data

Version	HDC enclosures, Size: 9, Protection degree: IP65 (in plugged condition), Bulkhead housing, End-locking clamp, lower side, Standard
Order No.	1666740000
Type	HDC 48A ALU
GTIN (EAN)	4008190423858
Qty.	1 pc(s).

HDC 48A ALU

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Technical data

Dimensions and weights

Height	38 mm	Height (inches)	1.496 inch
Width	120 mm	Width (inches)	4.724 inch
Mounting dimension - height	65 mm	Mounting dimension - width	110 mm
Net weight	256 g		

Temperatures

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

Height of base B1	7 mm	Height of housing B	40 mm
Hole pitch length A2	110 mm	Total length housing	94 mm
Width base C1	89 mm	Width housing C	82.5 mm

General data

EMC housings	No	Housing main material	diecast aluminium
Material of locking element	Stainless steel, rust-proof	Protection degree	IP65 (in plugged condition)
Surface finish	Powder coating	Tightening torque	2 Nm

Version

BG	9	Clamp version	End-locking clamp
Colour (RAL)	RAL 7035	Cover	without cover
Design	Standard	Design of housing	Bulkhead housing
Design of locking system	End-locking clamp, lower side	Sealing	NBR
Size	9	Suitable for ModuPlug®	No
Tightening torque	2 Nm	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
ETIM 10.0	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
ECLASS 15.0	27-44-02-02		

Substance	Acetone
Chemical resistance	Conditionally resistant
Substance	Drilling oil
Chemical resistance	Resistant
Substance	Diesel
Chemical resistance	Resistant
Substance	Ethyl alcohol
Chemical resistance	Resistant

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Substance	Transmission oil
Chemical resistance	Resistant
Substance	Hydraulic oil
Chemical resistance	Resistant
Substance	Coolant
Chemical resistance	Resistant
Substance	Petroleum benzine
Chemical resistance	Resistant
Substance	Sweat
Chemical resistance	Resistant
Substance	Premium gasoline
Chemical resistance	Conditionally resistant
Substance	Water
Chemical resistance	Resistant
Substance	UV
Chemical resistance	Unstable
Substance	Ozone
Chemical resistance	Unstable

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	Potassium perfluorobutane sulfonate 29420-49-3
SCIP	e98b2b24-ba23-41bf-8d19-Odda3647412f
Chemical resistance	de.myview.objectmodel.impl.BlockImpl@7f479092 de.myview.objectmodel.impl.BlockImpl@790290f1 de.myview.objectmodel.impl.BlockImpl@564ecde9 de.myview.objectmodel.impl.BlockImpl@498d67f1 de.myview.objectmodel.impl.BlockImpl@a0dbd52 de.myview.objectmodel.impl.BlockImpl@676531fa de.myview.objectmodel.impl.BlockImpl@47e4997a de.myview.objectmodel.impl.BlockImpl@65f4dc98 de.myview.objectmodel.impl.BlockImpl@2f41a59 de.myview.objectmodel.impl.BlockImpl@4c50011c de.myview.objectmodel.impl.BlockImpl@2f9c7ea5 de.myview.objectmodel.impl.BlockImpl@6c4f77d2 de.myview.objectmodel.impl.BlockImpl@4e4b9ed0

Important note

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

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E92202

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Technical data

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](#)

Technical Documentation

[1666740000 HDC 48A ALU STP Blatt 1.pdf](#)

Catalogues

[Catalogues in PDF-format](#)

Brochures

[FL FIELDWIRING EN](#)

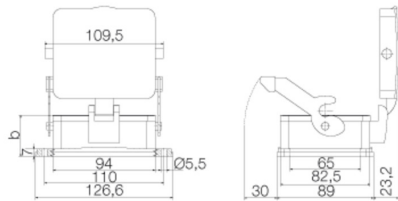
[FL FIELDWIRING EN](#)

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Drawings



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Accessories

Hood, Cable Entry sideways



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General ordering data

Type	HDC 48A TSLU 1PG29G	Version
Order No.	1666710000	HDC enclosures, Size: 9, Protection degree: IP65 (in plugged condition), Cable entry from side, Plug housing, End-locking clamp,
GTIN (EAN)	4008190448127	lower side, Standard, Size of cable entries: PG 29
Qty.	1 pc(s).	
Type	HDC 48A TSLU 1M32G	Version
Order No.	1788550000	HDC enclosures, Size: 9, Protection degree: IP65 (in plugged condition), Cable entry from side, Plug housing, End-locking clamp,
GTIN (EAN)	4032248206087	lower side, Standard, Size of cable entries: M 32
Qty.	1 pc(s).	

Hood, Cable Entry at top



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General ordering data

Type	HDC 48A TOLU 1PG29G	Version
Order No.	1666730000	HDC enclosures, Size: 9, Protection degree: IP65 (in plugged condition), Cable entry from top, Plug housing, End-locking clamp,
GTIN (EAN)	4008190423841	lower side, Standard, Size of cable entries: PG 29
Qty.	1 pc(s).	

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www.weidmueller.com**Accessories**

Type	HDC 48A TOLU 1M32G	Version
Order No.	1788560000	HDC enclosures, Size: 9, Protection degree: IP65 (in plugged
GTIN (EAN)	4032248206094	condition), Cable entry from top, Plug housing, End-locking clamp,
Qty.	1 pc(s).	lower side, Standard, Size of cable entries: M 32