

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Terminal Block**

with type designation(s)
HDC...

Issued to

Weidmüller Interface GmbH & Co. KG
Detmold, Germany

is found to comply with

DNV GL rules for classification – Ships, offshore units, and high speed and light craft

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Issued at **Hamburg** on **2018-08-17**

This Certificate is valid until **2023-08-16**.

DNV GL local station: **Hamburg**

for **DNV GL**

Approval Engineer: **Harald Amberger**

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Arne Schaarmann
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.



Product description

Heavy-duty connectors

HA series:

Technical data:

No. of poles	3, 4, 10, 16, 32, 48
Rated voltage	250V (3, 4 poles 400V)
Rated current (40°)	16A
Rated imp. withstand voltage	4kV

Types:

HDC-HA 3 (MS, FS)
HDC-HA 4 (MS, FS)
HDC-HA 10 (MS, FS, MT, FT, MC, FC)
HDC-HA 16 (MS, FS, MT, FT, MC, FC)
HDC-HA 32 (MS, FS, MT, FT, MC, FC)
HDC-HA 48 (MS, FS, MT, FT, MC, FC)

HE series:

Technical data:

No. of poles	6, 10, 16, 24, 32, 48
Rated voltage	500V
Rated current (40°)	16A (6 poles 24A)
Rated imp. withstand voltage	6kV

Types:

HDC-HE 6 (MS, FS, MT, FT, MC, FC, MP, FP)
HDC-HE 10 (MS, FS, MT, FT, MC, FC, MP, FP)
HDC-HE 16 (MS, FS, MT, FT, MC, FC, MP, FP)
HDC-HE 24 (MS, FS, MT, FT, MC, FC, MP, FP)
HDC-HE 32 (MS, FS, MT, FT, MC, FC, MP, FP)
HDC-HE 48 (MS, FS, MT, FT, MC, FC, MP, FP)

HVE series:

Technical data:

No. of poles	3 + 2, 6 + 2, 10 + 2
Rated voltage	830V
Rated current (40°)	20A
Rated imp. withstand voltage	8kV

Types:

HDC-HVE 3+2 (MS, FS, MT, FT)
HDC-HVE 6+2 (MS, FS, MT, FT)
HDC-HVE 10+2 (MS, FS, MT, FT)

HQ series:

Technical data:

No. of poles	5 + PE, 8 + PE
Rated voltage	250V (500V, 8 + PE)
Rated current (40°)	16A
Rated imp. withstand voltage	4kV (6kV, 8 + PE)

Types:

HDC-HQ 5 (MC, FC)
HDC-HQ 8 (MC, FC)

HD series:

Technical data:

No. of poles	7 + PE, 8
Rated voltage	250V
Rated current (40°)	10A
Rated imp. withstand voltage	4kV

Types:

HDC-HD 7 (MC, FC)
HDC-HD 8 (MC, FC)

All types are assembled with enclosure types HDC Rockstar or HDC IP 68

Type of connection:

MS / FS	Screw connection
MT / FT	Tension clamp connection
MC / FC	Crimp connection
MP / FP	PUSH IN

Application/Limitation

Location Classes:

Temperature: B, Humidity: B, Vibration: B

Operating instruction of the manufacturer to be observed

Type Approval documentation

Tests carried out

EN61984:2002; 60529: 2000, Cold, dry heat, damp heat, vibration, flame retardancy.

Marking of product

Weidmüller - Type designation - Main data.



Job Id: **262.1-024974-1**
Certificate No: **TAE00002TN**

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE