

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Voltage Converter

with type designation(s)

Socket System "Front Com Vario" - Types and Combinations acc. to page 2

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.

Temperature A

Humidity B

Vibration A

EMC A

Enclosure IP 65 (frame with closed cover only - inserts IP 20)

Issued at **Hamburg** on **2018-10-24**

This Certificate is valid until **2020-01-25**.

for **DNV GL**

DNV GL local station: **Essen**

Approval Engineer: **Maik Gagern**

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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

Modular Socket System "Front Com Vario"

Types and Combinations:

Single Frame

- 1xpower, 2xdata
- 1xpower, 2xdata, 1xsignal
- 1xpower, 4xdata
- 1xpower, 2xsignal
- 1xdata, 2xsignal
- 2xdata, 2xsignal

Double Frame

- 1xpower, 1xRCBO, 2xdata, 1xsignal
- 2xpower, 2xdata, 1xsignal, 1xfuse
- + all combinations of 2 single insert plates

Inserts

- RJ45 modules
- USB data inserts
- signal inserts D-sub
- different power sockets 230V/125V (Germany, Switzerland, France, UK, Italy, Euro, Australia, China, USA)

Frame

- metal cover
- plastic cover
- material frame zinc diecast
- ingress protection IP 65 (only frame with closed cover - inserts IP 20)

Application/Limitation

Modular socket / interface system for front installation

Makers instructions for installation and operation are to be observed.

Type Approval documentation

Tests carried out

Germanischer Lloyd Guidelines for the Performance of Type Approvals VI-7-2, "Test Requirements for Electrical / Electronic Equipment and Systems", Edition 2012

Marking of product

Weidmüller Logo – Type – Article No. – Date of Production

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)



Job Id: **262.1-028488-1**
Certificate No: **TAA000022B**

- 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