



TYPE APPROVAL CERTIFICATE

Certificate No:
TAE00001EY
Revision No:
1

This is to certify:

That the **Multipolar connectors for printed circuit boards, system: COMBICON grids: 5,00mm, 5,08mm**

with type designation(s)

FRONT-MSTB 2,5/..., MSTB 2,5/..., MDSTB 2,5/..., MDSTBV 2,5/..., MSTBV 2,5/...,

Issued to

Phoenix Contact GmbH & Co. KG
Blomberg, Nordrhein-Westfalen, Germany

is found to comply with

DNV rules for classification – Ships and offshore units

Application :

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

Issued at **Hamburg** on **2022-06-03**

This Certificate is valid until **2027-06-02**.

DNV local station: **Magdeburg**

for **DNV**

Approval Engineer: **Didier Girardin**

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Joannis Papanuskas
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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: TA 251

Revision: 2021-03

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Product description

PCB terminal blocks

Designation

FRONT-MSTB 2,5/ n-STF
FRONT-MSTB 2,5/ n-STF-5,08
MDSTB 2,5/ n-GF
MDSTB 2,5/ n-GF-5,08
MDSTB 2,5/ n-GFL
MDSTB 2,5/ n-GFL-5,08
MDSTB 2,5/ n-GFR
MDSTB 2,5/ n-GFR-5,08
MDSTBV 2,5/ n-GF
MDSTBV 2,5/ n-GF-5,08
MDSTBV 2,5/ n-GFL
MDSTBV 2,5/ n-GFL-5,08
MDSTBV 2,5/ n-GFR
MDSTBV 2,5/ n-GFR-5,08
MSTB 2,5/ n-GF
MSTB 2,5/ n-GF-5,08
MSTB 2,5/ n-STF
MSTB 2,5/ n-STF-5,08
MSTBV 2,5/ n-GF
MSTBV 2,5/ n-GF-5,08

Rated current: 8A
Rated voltage: 250V AC

Rated cross section: 0,14 mm² - 2,5 mm²

Application/Limitation

*These basic bodies are accepted with screwable side-flanges only

Type Approval documentation

See Annex

Tests carried out

Applicable tests according IEC 61984:2008-10, IEC 60999-1:1999-11, IEC 60068-2-6:2007-12

Marking of product

The products to be marked with:

- model name
- manufacturer name

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the assessment are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the 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



ANNEX
hidden

Job Id: **262.1-023949-2**
Certificate No: **TAE00001EY**
Revision No: **1**