



Certificate No:
TAE00004G1

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Terminal Block

with type designation(s)
RBO

Issued to

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

is found to comply with

DNV 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.

Issued at **Hamburg** on **2022-06-16**

This Certificate is valid until **2027-06-15**.

DNV local station: **Essen**

for **DNV**

Approval Engineer: **Harald Amberger**

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.

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

RBO... Bolt connection terminal block
RBO...-HC Bolt connection terminal block with covering hood

Type designation	Cross section	Rated Current	Rated Voltage
RBO 6	35mm ²	125A	800V
RBO 6 E	35mm ²	125A	800V
RBO 6 WD	35mm ²	125A	800V
RBO 6 WD-HC	35mm ²	125A	1000V
RBO 6 F E	35mm ²	125A	800V
RBO 6 F	35mm ²	125A	800V
RBO 8	70mm ²	192A	1000V
RBO 8-WD	70mm ²	192A	1000V
RBO 8-3L	70mm ²	192A	1000V
RBO 8-3L-HC	70mm ²	192A	1500V
RBO 8-3L/FE	70mm ²	192A	1000V
RBO 8-3L/FE-HC	70mm ²	192A	1500V
RBO 8-3L/N	70mm ²	192A	1000V
RBO 8-3L/N-HC	70mm ²	192A	1500V
RBO 8-3L/N/FE	70mm ²	192A	1000V
RBO 8-3L/N/FE-HC	70mm ²	192A	1500V
RBO 8-FE	70mm ²	192A	1000V
RBO 8-FE-HC	70mm ²	192A	1500V
RBO 8-HC	70mm ²	192A	1500V
RBO 10	150mm ²	309A	1000V
RBO 10-WD	150mm ²	309A	1000V
RBO 10-3L	150mm ²	309A	1000V
RBO 10-3L-HC	150mm ²	309A	1500V
RBO 10-3L/FE	150mm ²	309A	1000V
RBO 10-3L/FE-HC	150mm ²	309A	1500V
RBO 10-3L/N	150mm ²	309A	1000V
RBO 10-3L/N-HC	150mm ²	309A	1500V
RBO 10-3L/N/FE	150mm ²	309A	1000V
RBO 10-3L/N/FE-HC	150mm ²	309A	1500V
RBO 10-FE	150mm ²	309A	1000V
RBO 10-FE-HC	150mm ²	309A	1500V
RBO 10-HC	150mm ²	309A	1500V
RBO 12	240mm ²	415A	1000V
RBO 12-3L	240mm ²	415A	1000V
RBO 12-3L-HC	240mm ²	415A	1500V
RBO 12-3L/FE	240mm ²	415A	1000V
RBO 12-3L/FE-HC	240mm ²	415A	1500V
RBO 12-3L/N	240mm ²	415A	1000V
RBO 12-3L/N-HC	240mm ²	415A	1500V
RBO 12-3L/N/FE	240mm ²	415A	1000V
RBO 12-3L/N/FE-HC	240mm ²	415A	1500V
RBO 12-FE	240mm ²	415A	1000V
RBO 12-FE-HC	240mm ²	415A	1500V
RBO 12-HC	240mm ²	415A	1500V
RBO 12-4L-HC	240mm ²	415A	1500V
RBO 16	300mm ²	520A	1000V
RBO 16-3L	300mm ²	520A	1000V
RBO 16-3L-HC	300mm ²	520A	1500V
RBO 16-3L/FE	300mm ²	520A	1000V
RBO 16-3L/FE-HC	300mm ²	520A	1500V
RBO 16-3L/N	300mm ²	520A	1000V
RBO 16-3L/N-HC	300mm ²	520A	1500V
RBO 16-3L/N/FE	300mm ²	520A	1000V
RBO 16-3L/N/FE-HC	300mm ²	520A	1500V
RBO 16-FE	300mm ²	520A	1000V
RBO 16-FE-HC	300mm ²	520A	1500V
RBO 16-HC	300mm ²	520A	1500V

Further ratings acc. manufacturer documentation.

Application/Limitation

Location Classes:

Temperature: B, Humidity: B, Vibration: B

Terminal RBO 8..., RBO 10..., RBO 12..., RBO 16... Ex-Marking: Ex eb IIC Gb

Operating instruction of the manufacturer to be observed

Type Approval documentation

Tests carried out

IEC 60947-7-1:2009-04, cold, dry heat, damp heat, vibration, flame retardancy.

Marking of product

Phoenix Contact - Type designation - Main data.

All type designation may be followed by suffix such as color or packaging options.

Name & Place of Manufacturer

Phoenix Contact Asia Pacific (Nanjing) Co., Ltd.

No. 6 Mozhou East Road

Jiangning Development Zone; Nanjing 21110064

China

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 TAE