

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Overcurrent- and Short-Circuit Relay

with type designation(s)
3RB20 & 3RB21

Issued to

Siemens AG GWA
Amberg, 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.

This Certificate is valid until **2023-12-31**.

Issued at **Hamburg** on **2018-12-21**

DNV GL local station: **Augsburg**

Approval Engineer: **Harald Amberger**

for **DNV GL**

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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.

Job Id: **262.1-011117-8**
Certificate No: **TAE0000063**
Revision No: **1**

Product description

Overload Relays (solid state) type 3RB20 and 3RB21 according to Size and power range as listed below. Max. voltage = 690 V. Insulation voltage 600 V (IT-net) or 1000 V. Frequency = 50 / 60 Hz.

3RB201./3RB211.	Solid state Overload Relays Size S00 Current setting range: 0.1 ... 0.4 A up to 3 ... 12 A Rated insulation voltage: 600 V (IT-net)
3RB202./3RB212.	Solid state Overload Relays Size S0 Current setting range: 0.1 ... 4 A up to 6 ... 25 A Rated insulation voltage: 600 V (IT-net)
3RB203./3RB213.	Solid state Overload Relays Size S2 Current setting range: 6 ... 25 A up to 12.5 ... 50 A Rated insulation voltage: 600 V (IT-net)
3RB204./3RB214.	Solid state Overload Relays Size S3 Current setting range: 12.5 ... 50 A up to 25 ... 100 A Rated insulation voltage: 1000 V
3RB205./3RB215.	Solid state Overload Relays Size S6 Current setting range: 50 ... 200 A Rated insulation voltage: 1000 V
3RB206./3RB216.	Solid state Overload Relays Size S10/S12 Current setting range: 55 ... 250 A up to 160 ... 630 A Rated insulation voltage: 1000 V

Accessories include Connecting support (3RB29..), Cover (3RB2984-0), Terminal Cover (3RT19..-4EA.), Terminal Kit (3RT19..-G) and Release Kit (3RU1900..).

Application/Limitation

For installation inside switchboards/ enclosures onboard ships and offshore units.

With Uimp = 6 kV the max. rated voltage is 600 V when used in a IT (ship) net. It can be used in applications with directly earthed systems with rated voltage of 400/690 V.

Type Approval documentation


As per tech.-docs. in NPS 262.1-011117-8

Tests carried out

Type tests in accordance with IEC/EN60947, dry heat, damp heat, salt mist, vibration, high voltage, EMC.

Marking of product

Manufacturer's label containing data and manufacturer's type number.



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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