

TYPE APPROVAL CERTIFICATE

This is to certify:

That the RCD - Residual Current Device

with type designation(s)
5SU1...

Issued to

**Siemens AG Low Voltage
REGENSBURG, 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 **2018-09-06**

This Certificate is valid until **2023-09-05**.

DNV GL local station: **Augsburg**

for **DNV GL**

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.



Product description

Residual Current Protective Devices 5SU1...	
Type of RCBO	A
Number of poles	two
Instantaneous tripping current	B / C
Rated current, I_N (30°C)	6A - 40A
Rated residual operating current, $I_{\Delta N}$	0,03A / 0,3A
Rated voltage, U_N	AC230V
Rated impulse withstand voltage, U_{imp}	4kV
Rated frequency, Hz	50
Rated short-circuit capacity, I_{CN}	4,5kA / 6kA / 10kA
Rated residual making and breaking capacity, $I_{\Delta M}$	4,5kA / 6kA / 10kA
Further ratings acc. manufacturer documentation	

Application/Limitation

Location Classes:

Temperature: D, Humidity: B, Vibration: A, EMC: B, Enclosure: IP20 with connected conductors
IP40 in the area of the handle

Suitability for isolation

Operating instruction of the manufacturer to be observed

Type Approval documentation

Tests carried out

IEC 61009-1: 2010 (Third Edition) +A1:2012 +A2:2013, used in conjunction with
IEC 61009-2-1:1991 (First Edition) or
IEC 61009-2-2:1991 (First Edition)
Cold, dry heat, damp heat, vibration, flame retardancy and EMC.

Marking of product

Acc. IEC 61009-1: 2010 (Third Edition) subclause 6

Name and place of manufacturer

SIMEA SIBIU S.R.L., Piata Cibir nr. 5
550197 Sibiu
Romania

Job Id: **262.1-027901-1**
Certificate No: **TAE000033R**

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