



**TYPE APPROVAL CERTIFICATE**  
No. ELE183620XG

**This is to certify** that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	<b>Overcurrent and short-circuit relay.</b>
<i>Type</i>	<b>SIRIUS 3RB20 ; 3RB21.</b>
<i>Applicant</i>	<b>SIEMENS AG - SIEMENS AG A &amp; D CE WERNER VON SIEMENS STRAÙE 48 92220 AMBERG GERMANY</b>
<i>Manufacturer</i>	<b>Siemens AG - SI EP R&amp;D TC 1</b>
<i>Place of manufacture</i>	<b>WERNER-VON-SIEMENS-STRAUÙE 48 92220 Amberg GERMANY</b>
<i>Reference standards</i>	<b>IEC 60947-4-1:2000 ; IEC 60947-5-1:2003</b>

Issued in **HAMBURG** on **September 24, 2020**. This Certificate is valid until **September 23, 2025**

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**RINA Services S.p.A.**  
**Giuseppe Russo**

This certificate consists of this page and 1 enclosure

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No. ELE183620XG

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SIRIUS 3RB20

3RB21.

### Materials/Components

Electronic overload relays type 3RB20 and 3RB21 and accessories, for installation inside switchboards and/or enclosures on board ship and offshore units.

Main electrical features:

- Uimp : 6 KV.
- Rated operational voltage (maximum) : 690 V. (See note 1).
- Rated insulation voltage (IT-net) : 600 V.
- Rated insulation voltage : 1000 V.
- Rated frequency : 50 / 60 Hz.

APPARATUS TYPE	CURRENT SETTING RANGE	RATED INSULATION VOLTAGE
3RB201./ 3RB211. (Size S00)	0,1...0,4 A up to 3...12 A	600 V (IT- net)
3RB202./ 3RB212. (Size S0)	0,1... 4 A up to 6...25 A	600 V (IT- net)
3RB203./ 3RB213. (Size S2)	6...25 A up to 12,5..50 A	600 V (IT- net)
3RB204./ 3RB214. (Size S3)	12,5...50 A up to 25...100 A	1000
3RB205./ 3RB215. (Size S6)	50...200 A	1000
3RB206./ 3RB216. (Size S10/S12)	55...250 A up to 160...630 A	1000

#### Note 1)

The maximum rated operational voltage is 600 V when used in a IT (ship) net.

The apparatus can be used in applications, with directly earthed systems, with rated voltage of 400/690 V.

The accessories include:

- connecting support type 3RB29...
- cover type 3RB2984-0
- terminal cover type 3RT19...-4EA
- terminal kit type 3RT19...-G
- release kit type 3RU1900...

### Reference documents

- Document no. 05128TEs issued by Siemens on 07 December 2005.
- Documents no. 05002TEI01; 05002TEI02 ; 05002TEI03 ; 05002TEI04 ; 05002TEI05 and 05002TEI06 issued by Siemens on 23 December 2005.
- Document no. 05002TEI107 issued by Siemens on 02 February 2005.
- Document no. 06055TEs issued by Siemens on 01 June 2006.
- Document no. A&D ATS 6/06-MO602146-B2 issued by Siemens on 24 February 2006.
- Type test 3005 issued by LOVAG on 17.03.2011
- 3RB20\_IC10\_complete\_German\_2014-2.pdf
- Instruction sheet BA 3RB20\_21.pdf dated 09.04.2008
- Material List for 3RV1\_ 3RB2.pdf file date 31.01.2014
- Certificate for Qualitymanagement-ISO9001-EN.pdf dated 10.07.2013

### Remarks

Apparatus to be used according to the instruction given by the manufacturer.

*This certificate annuls and replaces the previous one n° ELE058709CS.*



**HAMBURG September 24, 2020**

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