

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	Siemens AG
Address	Werner-von-Siemens-Strasse 48, Amberg, 92220, Germany
Type	Motor Starters
Description	SIRIUS 3R - Compact starter and accessories refer to the Appendix for details
Trade Name	3RA6
Application	Marine, offshore and industrial applications for use in environmental categories ENV 1, ENV 2 and ENV 3 (power distribution zone) as defined in LR Type Approval System, Test Specification No. 1 - 2002.
Specified Standard	IEC 60947-6-2:2007-03 IEC 60947-5-1:2009-07
Ratings	Operations voltage: 690V AC Setting ranges: A: 0.1 to 0.4 A B: 0.32 to 1.25 A C: 1 to 4 A D: 3 to 12 A E: 8 to 32 A

71 Fenchurch Street, London, EC3M 4BS, UK

Thorsten Wolff

Senior Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

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This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document No. HTS/ETS 39536-20/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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Appendix

TYPE

Compact starter, direct starter

3RA6①②③-④⑤⑥⑦

- ① Basic type: 1, 4
- ② Integrated auxiliary contacts: 0, 2
- ③ Auxiliary contacts: 0
- ④ Type of terminal: 0, 1, 2
- ⑤ Setting ranges: A, B, C, D, E
- ⑥ Operating voltage: B3, E3, P3, B4
- ⑦ Terminals and mounting: 0, 2, 3, 4

Compact starter, reversing starter

3RA6①②③-④⑤⑥⑦

- ① Basic type: 2, 5
- ② Integrated auxiliary contacts: 0, 5
- ③ Auxiliary contacts: 0
- ④ Type of terminal: 0, 1, 2
- ⑤ Setting ranges: A, B, C, D, E
- ⑥ Operating voltage: B3, E3, P3, B4
- ⑦ Terminals and mounting: 0, 2, 3, 4

Accessories:

Infeed

3RA68①②-③

- ① Basic type: 1
- ② Type of terminal on the line side: 2, 3
- ③ Type of terminals on the load side: -8AB, -8AC

Expansion modules

3RA68①②-③

- ① Basic type: 2
- ② Number of sockets: 2, 3
- ③ Type of terminals: -0AB, -0AC

3RA6830-5AC - Infeed with spring terminal

3RA6890-1AB - Expansion plug for connecting 2 expansion modules

3RA6860-6AB - PE-Infeed, screw terminal 25/35 mm²

3RA6860-5AC - PE-Infeed, spring terminal 25/35 mm²
3RA6870-4AB - PE tap 6/10mm² screw terminal
3RA6870-3AC - PE tap 6/10mm² spring terminal
3RA6890-0EA - PE expansion plug
3RA6890-0BA - Adapter 45mm
3RA6890-1AA - Expansion plug for SIRIUS 3RV19 infeed system
3RA6890-1AB - Expansion plug
3RA6970-3A - AS-I modul for Compact Starter, standard
3RA6970-3B - AS-I modul for Compact Starter, with two local inputs
for safe disconnection
3RA6970-3C - AS-I modul for Compact Starter, standard with
additional 2 digital inputs
3RA6970-3D - AS-I modul for Compact Starter, standard with
additional 1 digital input and 1 digital output
3RA6970-3E - AS-I modul for Compact Starter, standard with
additional 2 digital outputs

Aux. contacts

3RA69①②-③

① Basic Type: 2

② Contact arrangements: 11, 12, 13

③ Type of terminals: -1A, -2A

3RA6920-1A - Main circuit terminals, screw terminals
3RA6920-2A - Main circuit terminals, spring terminals
3RA6920-1B - Control circuit terminals, screw terminals for 3RA61
3RA6920-1C - Control circuit terminals, screw terminals for 3RA62
3RA6920-2B - Control circuit terminals, spring terminals for 3RA61
3RA6920-2C - Control circuit terminals, spring terminals for 3RA62
3RA6920-1D - Control circuit terminals, screw terminals for 3RA64
3RA6920-1E - Control circuit terminals, screw terminals for 3RA65
3RA6920-2D - Control circuit terminals, spring terminals for 3RA64
3RA6920-2E - Control circuit terminals, spring terminals for 3RA65
3RA6920-3A - Main circuit terminals, screw terminals on line side,
spring terminals on load side
3RA6940-0A - Adapter for flat surface mounting of the compact
starter

8US1211-1NS10 - Adapter for SIRIUS compact starter

8US1250-1AA10 - Device holder for reversing feeder

3RV1928-1H - Terminal block

3RV1925-5AB - 3-phase line-side terminal

3RV1925-5EB - 3-phase line-side terminal for self-protected motor starter

3RV1915-1AB - 3-phase busbar for 2 devices

3RV1915-1BB - 3-phase busbar for 3 devices

3RV1915-1CB - 3-phase busbar for 4 devices

3RV1915-1DB - 3-phase busbar for 5 devices

3RV1915-5B - 3-phase line-side terminal, connection from below

3RV1915-5DB - Connecting piece between 3RA6 and 3RV1.1

3RV1915-6AB - Cover for tags

3RA6931-0A - Connecting cable 14 pole 25 mm for 3RA64/3RA65

3RA6932-0A - Connecting cable 10 pole 25 mm for 3RA64/3RA65

3RA6933-0B - Connecting cable 10 pole 200 mm for 3RA64/3RA65

3RA6933-0C - Connecting cable 14 pole 200 mm for 3RA64/3RA65

3RA6935-0A - Operator panel for IO-link-starters incl. enabling module

3RA6936-0A - Enabling module

3RA6933-0A - Connecting cable 14 pole 2000 mm between operator panel and IO-link-starters