



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.

This certificate supersedes certificate number 98/20050 (E5) issued on 06.02.2012 which is hereby cancelled.

This certificate is issued to:

PRODUCER

Siemens AG GWA
Werner-von-Siemens-Strasse 48
92220 Amberg
Germany

DESCRIPTION

SIRIUS 3R - low voltage switchgear contactors, contactor relay and accessories.

TYPE

Contactors
3RT10, 3RT12, 3RT13or 3RT14, 3RT15, 3RT16 ①-②③④⑤
① Power rating: 15, 16, 17, 23, 24, 25, 26, 33, 34, 35, 36, 44, 45, 46, 54, 55, 56, 64, 65, 66, 75, 76
② Type of terminals: 1, 2, 3
③ Operating system: A, B, C, D, E, F, G, H, J, K, L, M, N, P, Q
④ Rated operating voltage: 12-250 V dc, 21-600V ac, 50/60 Hz, 24-600V ac/dc, 50/60 Hz
⑤ Auxiliary contact arrangement: 0, 1, 2, 3, 4, 5, 6, 7, 8

Contactors relays
3RH11 ①②-③④⑤
① Auxiliary contact arrangement for NO: 0, 1, 2, 3, 4
② Auxiliary contact arrangement for NC: 0, 1, 2, 3, 4
③ Type of terminals: 1, 2
④ Operating range: A, B, C, D, E, F, G, H, J, K, M
⑤ Rated control voltage: 12-250V dc, 24-600V ac, 50/60 Hz

Certificate No.

98/20050 (E6)

Issue Date

12 June 2017

Expiry Date

18 August 2021

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Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA
LR031.1.2013.12



Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

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71 Fenchurch Street, London EC3M 4BS

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TYPES (continues)

Auxiliary switch blocks

3RH1911- ①②③④⑤

- ① Type of terminal: 1, 2
- ② Mounting area: A, B, F, G, H
- ③ Switching function: A, B, C
- ④ Auxiliary contact arrangement for NO: 0, 1, 2, 3, 4
- ⑤ Auxiliary contact arrangement for NC: 0, 1, 2, 3, 4

Auxiliary contact blocks

3RH1921 - ①②③④⑤

- ① Type of terminals: 1, 2
- ② Mounting area: C, E, F, K
- ③ Switching function: A, B, C
- ④ Contact arrangement for NO: 0, 1, 2, 3, 4
- ⑤ Contact arrangement for NC: 0, 1, 2, 3, 4

Interface module

3RH1924 - 1GP11

APPLICATION

Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 - 1996

STANDARD

EN 60947-1:2007 + A1:2011 + A2:2014
 EN 60947-4-1: 2010 + A1: 2012
 EN 60947-5-1: 2004 + A1: 2009
 EN 61812-1:2011

RATINGS

Types	Utilisation Category	Operational Voltage Ue	Operational Current Ie [A] Ie/ AC-3 400V up to 60° C
3RT1015	AC-2/ AC-3	230-690V	7
3RT1016	AC-2/ AC-3	230-690V	9
3RT1017	AC-2/ AC-3	230-690V	12

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RATINGS (continues)

Types	Utilisation Category	Operational Voltage Ue	Operational Current Ie [A] Ie/ AC-3 400V up to 60° C
3RT1023	AC-2/ AC-3	230-690V	9
3RT1024	AC-2/ AC-3	230-690V	12
3RT1025	AC-2/ AC-3	230-690V	17
3RT1026	AC-2/ AC-3	230-690V	25
3RT1033	AC-2/ AC-3	230-690V	25
3RT1034	AC-2/ AC-3	230-690V	32
3RT1035	AC-2/ AC-3	230-690V	40
3RT1036	AC-2/ AC-3	230-690V	50
3RT1044	AC-2/ AC-3	230-1000V	65
3RT1045	AC-2/ AC-3	230-1000V	80
3RT1046	AC-2/ AC-3	230-1000V	95
3RT1054	AC-2/ AC-3	230-1000V	115
3RT1055	AC-2/ AC-3	230-1000V	150
3RT1056	AC-2/ AC-3	230-1000V	185
3RT1065	AC-2/ AC-3	230-1000V	265
3RT1066	AC-2/ AC-3	230-1000V	300
3RT1075	AC-2/ AC-3	230-1000V	400
3RT1076	AC-2/ AC-3	230-1000V	500
3RT1264	AC-2/ AC-3	230-1000V	225
3RT1265	AC-2/ AC-3	230-1000V	265
3RT1266	AC-2/ AC-3	230-1000V	300
3RT1275	AC-2/ AC-3	230-1000V	400
3RT1276	AC-2/ AC-3	230-1000V	500

Types	Utilisation Category	Operational Voltage Ue	Operational Current Ie [A] Ie/ AC-1 up to 690V up to 60°C
3RT1446	AC-1	230-690V	130
3RT1456	AC-1	230-690V	250

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RATINGS (continues)

Types	Utilisation Category	Operational Voltage Ue	Operational Current Ie [A] Ie/ AC-1 up to 690V up to 60°C
3RT1466	AC-1	230-690V	380
3RT1476	AC-1	230-690V	650 (at 50°C)
3RT1316	AC-1	230-690V	9
3RT1317	AC-1	230-690V	12
3RT1325	AC-1	230-690V	17
3RT1326	AC-1	230-690V	25
3RT1336	AC-1	230-690V	26
3RT1344	AC-1	230-690V	--
3RT1346	AC-1	230-690V	--
3RT1516	AC2/ AC3 + AC1	230-690V	9
3RT1517	AC2/ AC3 + AC1	230-690V	12
3RT1526	AC2/ AC3 + AC1	230-690V	25
3RT1535	AC2/ AC3 + AC1	230-690V	40
Types	Utilisation Category	Operational Voltage Ue	Capacitor power [kVar] AC6b, 400V, up to 60°C
3RT1617	AC6b	230-690V	12.5
3RT1627	AC6b	230-690V	25
3RT1647	AC6b	230-690V	50

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RATINGS (continues)

Types	Utilisation Category	Operational Voltage Ue	Capacitor power [kVar] AC6b, 400V, up to 60°C
Contactors relays 3RH11 ①②-③④⑤	AC14/ AC15	230 – 690V	6 – 1
	DC12	24-600V	10 – 0.15
	DC13	24-600V	10 – 0.1
Auxiliary switch blocks 3RH1911- ①②③④⑤	AC14/ AC15	230 – 690V	6 – 1
	DC12	24 – 600V	10 – 0.15
	DC13	24 – 600V	6 – 0.1
Auxiliary contact blocks 3RH1921 ①②③④⑤	AC14/ AC15	230 – 690V	6 – 1
	DC12	24 – 600V	10 – 0.15
	DC13	24 – 600V	6 – 0.1
Interface module 3RH1924 1GP11	- AC14/ AC15	230V	3
	- DC13	230V	0.1

PLACE OF PRODUCTION

Siemens AG GWA
Werner-von-Siemens-Strasse 48
92220 Amberg
Germany

Siemens AG, A&D CD
Werner-von-Siemens-Strasse 29
93413 Cham
Germany

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(continues)**

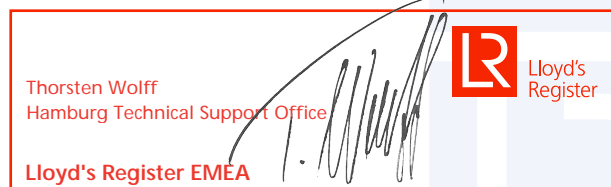
Siemens Ltda.
Industry Sector BT ET / IA CD
Avenida Abiurana N° 1655
Distrito Industrial
69075-010 Manaus-AM
Brazil
(types 3RT1.2)

The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.

The Design Appraisal Document No. HTS/ETS 35377-17 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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