



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 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

TYPES

Contactors 3RT2.1 – Size S00

3RT20	15	-1	A	..	0	-....
I	II	III	IV	V	VI	VII

I. Basic Type

- 3RT20 - motor contactor, 3NO main contacts
- 3RT23 - AC1-contactor, 4NO main contacts
- 3RT25 - reversing contactor, 2NO + 2NC main contacts
- 3RT26 - contactor for capacitive loads

II. Size S00

15 - 3 kW, 16 - 4 kW, 17 - 5,5 kW, 18 - 7,5 kW

III. Type of Terminals: 1, 2, 4

IV. Operating system

- A - AC operating system
- B - DC operating system
- H - DC operating system; operating limits 0.7 ... 1.25 x operating voltage
- M - DC operating system; operating limits 0.85... 2.15x operating voltage

Certificate No.

11/20020 (E1)

Issue Date

01 July 2016

Expiry Date

11 May 2021

Sheet

1 of 18

Thorsten Wolff
Hamburg Technical Support Office

Lloyd's Register EMEA

LR031.1.2013.12

Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group



TYPES continued

- M...-0KT0 - DC operating system; operating limits
0.85 ... 1.85 x operating voltage
- F - DC operating system with integrated diode
- J - DC operating system with integrated diode; operating limits
0.7 ... 1.25 x operating voltage
- V - DC operating system with integrated diode; operating limits
0.85 ... 1.85 x operating voltage
- G - DC operating system with integrated bridge rectifier for AC control
voltage
- P - AC operating system with integrated suppressor Diode
- S or U – DC operating system with integrated suppressor diode
- K - DC operating system with integrated suppressor diode; operating
limits 0.7 ... 1.25 x operating voltage
- L - DC operating system with integrated varistor; operating limits
0.7 ... 1.25 x operating voltage
- Q - Identifies factory assembled EMC protective device; operating limits
0.7 ... 1.25 x operating voltage
- W - Identifies factory assembled EMC protective device; operating
limits 0.85 ... 1.85 x operating voltage
- C, D, E, I, N, O, R,T, X, Y or Z – Identifies factory assembled EMC
protective device

V. Operating voltage
.. - 24Vac through 600Vac or
12Vdc through 250Vdc

VI. Auxiliary Contact Arrangements: 0, 1, 2, 3, 4, 5, 6

- VII. Suffix letters and/or numbers specified commercial variations –
Optional
- 0CC0 – contactor with communication interface
- 0LA0 – contactors for railway application with adjusted operating range
- 0KT0 – contactors for special application with adjusted operating range

Certificate No. 11/20020 (E1)

Issue Date 01 July 2016

Expiry Date 11 May 2021

Sheet 2 of 18

Thorsten Wolff
Hamburg Technical Support Office




Lloyd's Register EMEA

LR031.1.2013.12

Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group



TYPES continued

Contactors 3RT2.2 – Size S0

3RT20	23	-1	A	..	0	..
I	II	III	IV	V	VI	VII

I. Basic Type

- 3RT20 - motor contactor, 3NO main contacts
- 3RT23 - AC1-contactor, 4NO main contacts
- 3RT25 - reversing contactor, 2NO + 2NC main contacts
- 3RT26 - contactor for capacitive loads

II. Size S0

23 - 4 kW, 24 - 5,5 kW, 25 - 7,5 kW, 26 - 11 kW, 27 - 15 kW, 28 - 18,5 kW

III. Type of Terminals: 1, 2, 4

IV. Operating system

- A - AC operating system
- B - DC operating system
- C – AC operating system with factory assembled EMC protective unit varistor type
- D, K – DC operating system with factory assembled EMC protective unit varistor type
- E – AC operating system with factory assembled EMC protective unit RC combination type
- F – DC operating system with factory assembled EMC protective unit diode combination
- N, X – UC operating system

V. Operating voltage

.. - 24Vac through 600Vac or 12Vdc through 250Vdc

VI. Auxiliary Contact Arrangements: 0, 1, 2, 3, 4

Certificate No.	11/20020 (E1)
Issue Date	01 July 2016
Expiry Date	11 May 2021
Sheet	3 of 18

Thorsten Wolff
Hamburg Technical Support Office

Lloyd's Register EMEA

Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group



TYPES continued

VII. Suffix letters and/or numbers specified commercial variations – Optional

-0CC0 – contactor with communication interface

-0LA2 – contactors for railway application with adjusted operating range

Contactors 3RT2.3 – Size S2

3RT20	34	-1	A	..	0	..
I	II	III	IV	V	VI	VII

I. Basic Type

3RT20 - motor contactor, 3NO main contacts

3RT23 - AC1-contactor, 4NO main contacts

3RT25 - reversing contactor, 2NO + 2NC main contacts

3RT26 - contactor for capacitive loads

II. Size S2

35 - 18,5 kW, 36 - 22 kW, 37 - 30 kW, 38 - 37 kW

III. Type of Terminals: 1, 3

IV. Operating system

A - AC operating system

C – AC operating system with factory assembled EMC protective unit varistor type

D – DC operating system with factory assembled EMC protective unit varistor type

E – AC operating system with factory assembled EMC protective unit RC combination type

K, X - DC operating system

N – UC operating system

P - AC operating system with factory assembled EMC protective unit diode combination

Certificate No. 11/20020 (E1)

Issue Date 01 July 2016

Expiry Date 11 May 2021

Sheet 4 of 18

Thorsten Wolff
Hamburg Technical Support Office




Lloyd's Register EMEA

LR031.1.2013.12

Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group



TYPES continued

V. Operating voltage
.. - 24Vac through 600Vac or
12Vdc through 250Vdc

VI. Auxiliary Contact Arrangements: 0, 4, 6, 8

VII. Suffix letters and/or numbers specified commercial variations –
Optional
-0CC0 – contactor with communication interface
-0LA2 – contactors for railway application with adjusted operating
range

Contactor Relays 3RH2 – Size S00

3RH2	1	4	4	1	A	...	.....
I	II	III	IV	V	VI	VII	VIII

I. Basic Type

II. Control Relay

- 1 - 4 pole
- 2 - 8 pole with top mounted, not removable auxiliary contact block
- 3 - 8 pole with top mounted, removable auxiliary contact block
- 4 - Latched control relay
- 8 - specifies commercial versions

III. Contact Arrangements for NO: 0, 1, 2, 3, 4, 5, 6, 7, 8

IV. Contact Arrangements for NC: 0, 1, 2, 3, 4, 5, 6, 7, 8

V. Type of Terminals: 1, 2, 4

Certificate No. 11/20020 (E1)

Issue Date 01 July 2016

Expiry Date 11 May 2021

Sheet 5 of 18

Thorsten Wolff
Hamburg Technical Support Office




Lloyd's Register EMEA

LR031.1.2013.12

Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group



TYPES continued

- VI. Operating System
 - A - AC operating system
 - B - DC operating system
 - H - DC operating system; operating limits 0.7 ... 1.25 x operating voltage
 - M - DC operating system; operating limits 0.85 ... 2.15 x operating voltage
 - M...-0KT0 - DC operating system; operating limits 0.85 ... 1.85 x operating voltage
 - F - DC operating system with integrated diode
 - J - DC operating system with integrated diode; operating limits 0.7 ... 1.25 x operating voltage
 - V - DC operating system with integrated diode; operating limits 0.85 ... 1.85 x operating voltage
 - G - DC operating system with integrated bridge rectifier for AC control voltage
 - P - AC operating system with integrated suppressor Diode
 - S or U - DC operating system with integrated suppressor diode
 - K - DC operating system with integrated suppressor diode; operating limits 0.7 ... 1.25 x operating voltage
 - L - DC operating system with integrated varistor; operating limits 0.7 ... 1.25 x operating voltage
 - Q - Identifies factory assembled EMC protective device; operating limits 0.7 ... 1.25 x operating voltage
 - W - Identifies factory assembled EMC protective device; operating limits 0.85 ... 1.85 x operating voltage
 - C, D, E, I, N, O, R, T, X, Y or Z - Identifies factory assembled EMC protective device

- VII. Operating Voltage
 - ...- 24Vac through 600Vac or 12Vdc through 250Vdc

Certificate No. 11/20020 (E1)
Issue Date 01 July 2016
Expiry Date 11 May 2021
Sheet 6 of 18



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

Thorsten Wolff
 Hamburg Technical Support Office
 Lloyd's Register EMEA

Lloyd's Register EMEA
 71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
 Is a subsidiary of Lloyd's Register Group



TYPES continued

VIII. Identification – Optional

- 0LA0 – contactors for railway application with adjusted operating range
- 0KT0 – contactors for special application with adjusted operating range
- 0KA0 – contactors 2NO + 2NC DIN EN 50005
- 8YY8 – contactors without labelling

Accessories for contactors:

Auxiliary contacts

3RH29	1	1	-	1	A	A	0	0
I	II	III		IV	V	VI	VII	VIII

I. - Basic type

3RH29 - Accessories

II. - Suitable for contactor and contactor relay sizes

- 1 -Front mounted versions suitable for devices size S00, S0 and S2
Laterally mounted versions for devices size S00
- 2 -Laterally mounted versions for devices size S0 and S2

III. - Accessories

1 Auxiliary contact blocks

IV. - Type of terminals: 1, 2, 4

V. - Design

A, B, D, E, F, G, H, L, M, N, W, X, Y

VI. - Switching function

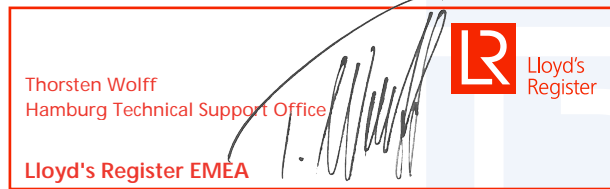
A - Standard switching

Certificate No. 11/20020 (E1)

Issue Date 01 July 2016

Expiry Date 11 May 2021

Sheet 7 of 18



Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group



TYPES continued

- B - Make-before-break, 1 NO/NC contact pair
- C - Make-before-break, 2 NO/NC contact pairs
- E - Laterally mounted, solid-state compatible
- F - Front mounted, solid-state compatible

VII. - Contact arrangement NO: 0, 1, 2, 3, 4

VIII. - Contact arrangement NC: 0, 1, 2, 3, 4

Communication modules:

3RA2711-1AA00, 3RA2711-2AA00, 3RA2712-1AA00, 3RA2712-2AA00

Logic modules:

3RA28	1	1	-	1	C	W	1	0
	I	II	III	IV	V	VI	VII	VIII

I. - Basic type

3RA28 - electronic timers

II. - Size

1 - S0 and S00

3 - S2

III. - Type of function

-1 - On-Delay, solid state

-2 - Off-Delay with control voltage, solid state

-3 - Auxiliary Contact On-Delay, relay

-4 - Auxiliary Contact Off-Delay with control voltage, relay

-5 - Auxiliary Contact Off-Delay without control voltage, relay

-6 - Star-Delta Starter Logic-modules

IV. - Terminal: 1, 2

Certificate No.

11/20020 (E1)

Issue Date

01 July 2016

Expiry Date

11 May 2021

Sheet

8 of 18

Thorsten Wolff
Hamburg Technical Support Office




Lloyd's Register EMEA

LR031.1.2013.12

Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA

71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group



TYPES continued

V. - Output
A - Relay, 1 change over contact
C - Solid state, thyristor
D - Solid state, power MOS transistor
F - Relay, 1 NC contact, 1 NO contact

VI. - Voltage Ratings
W - 24V through 240V ac/dc
G - 24V through 90V ac/dc
H - 90V through 240V ac/dc

VII. - Time Range
1 - 3 time ranges, 1s - 10s - 100s

VIII. - Manufacturers Identification
0 - Manufacturers Identification

Pneumatic delay block (0.1 - 30s/1 - 60s):
3RT29 26-2PA01, 3RT29 26-2PA11, 3RT29 26-2PR01, 3RT29 26-2PR11

Surge suppressor:

3RT29	16	-1A	B	00
	I	II	III	IV
			V	

I. Basic Type, EMC Unit
3RT29 - EMC Unit

II. Size: 16, 26, 36

III. Type of components: -1B, -1C, -1D, -1E, -1F, -1G, -1J, -1L, -1M

Certificate No. 11/20020 (E1)

Issue Date 01 July 2016

Expiry Date 11 May 2021

Sheet 9 of 18

Thorsten Wolff
Hamburg Technical Support Office

Lloyd's Register EMEA

LR031.1.2013.12

Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group



TYPES continued

IV. Voltage Ratings

A -	Special manufacturer's identification	
B -	24 through 48 V ac	24 through 70 V dc
C -	48 through 127 V ac	70 through 150 V dc
D -	127 through 240 V ac	150 through 250 V dc
E -	240 through 400 V ac	---
F -	400 through 600 V ac	---
G -	---	12 through 250 V dc
H -	---	24 through 250 V dc
J or P -	24 through 48 V ac	12 through 24 V dc
K or Q -	48 through 127 V ac	24 through 70 V dc
L or R -	127 through 240 V ac	70 through 150 V dc
M -	---	24 through 70 V dc
N -	---	70 through 150 V dc
O -	---	150 through 250 V dc
S -	24 through 70 V ac	24 through 70 V dc
T -	70 through 240 V ac	70 through 250 V dc

V. Manufacturers identification

00 - For manufacturers identification

EMC suppression module:

RC elements: 3RT29 16-1PA1, 3RT29 16-1PA2, 3RT29 16-1PA3,

Varistor: 3RT29 16-1PB1, 3RT29 16-1PB2, 3RT29 16-1PB3

Coil connection module:

3RT29 26-4RA11, 3RT29 26-4RB11, 3RT29 26-4RC11, 3RT29 26-4RA12,
3RT29 26-4RB12

Connection modules for contactors with screw terminals:

3RT29 16-4RD01, 3RT29 26-4RD01, 3RT19 00-4RE01



Certificate No. 11/20020 (E1)

Issue Date 01 July 2016

Expiry Date 11 May 2021

Sheet 10 of 18

Thorsten Wolff
Hamburg Technical Support Office

Lloyd's Register

Lloyd's Register EMEA

LR031.1.2013.12

Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group



TYPES continued

Interface modules:
3RH29 14-1GP11, 3RH29 14-2GP11

Further accessories:
3RT19 16-4BB31, 3RT19 16-4BB41, 3RT29 26-4BB31, 3RT19 36-4BB31
3RA29 13-3K, 3RV29 25-5AB, 3RV29 25-5EB, 3RV29 35-5A, 3RV29 35-5E
3RH29 24-1GP11, 3RT29 26-1QT00, 3RT29 16-4MA10,
3RT29 16-4EA13, 3RV29 28-4AA00, 3RT29 26-4EB13, 3RT29 36-4EA4
3RT2916-4JA02, 3RT1916-4JA02

Reversing contactors 3RA231 Size S00

3RA23	17	-8X	A	0	.	-	.	.	..
I	II	III	IV	V	VI	VII	VIII	IX	

I. Basic type

3RA23 - Reversing starter, basic contactor 3RT2

II. 15 - Basic contactor Type 3RT2015

- 16 - Basic contactor Type 3RT2016
- 17 - Basic contactor Type 3RT2017
- 18 - Basic contactor Type 3RT2018

III. Type of motor protection device

-8X - Without overload relays

IV. Type of mounting: A, B, E, Z

V. Type of locking mechanism: 0, 1, 2, 3, 4, 9

VI. Auxiliary contact arrangements each device: 0 - 7


Certificate No. 11/20020 (E1)

Issue Date 01 July 2016

Expiry Date 11 May 2021


Sheet 11 of 18

Thorsten Wolff
Hamburg Technical Support Office



Lloyd's Register EMEA

LR031.1.2013.12



Lloyd's Register

Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group



TYPES continued

VII. Type of terminals (Identical to the basic contactor 3RT2): 1, 2
VIII. Operating system
. - Identical to the basic contactor 3RT2

IX. Operating voltage
.. - Identical to the basic contactor 3RT2

Wye-delta starters 3RA241 Size S00

3RA24	17	-8X	E	3	.	-1	A	..
I	II	III	IV	V	VI	VII	VIII	IX

I. Basic type
3RA24 – Star-delta starter, basic contactor 3RT2

II. 14 - 3RT2015, 3RT2015, 3RT2015
15 - 3RT2015, 3RT2015, 3RT2015
16 - 3RT2017, 3RT2017, 3RT2015
17 - 3RT2018, 3RT2018, 3RT2016

III. Type of motor protection device
-8X - Without overload relays

IV. Type of interface
E - I/O Link module
F - Logic module
H - AS-I module

V. Type of locking mechanism: 3

VI. Auxiliary contact arrangements each device: 1

VII. Type of terminals (Identical to the basic contactor 3RT2): 1, 2

Certificate No. 11/20020 (E1)

Issue Date 01 July 2016

Expiry Date 11 May 2021

Sheet 12 of 18

Thorsten Wolff
Hamburg Technical Support Office




Lloyd's Register EMEA

LR031.1.2013.12

Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group



TYPES continued

VIII. Operating system:
A - AC operating system
B - DC operating system

IX. Operating voltage
.. - Identical to the basic contactor 3RT2

Reversing contactors 3RA232 Size S0

3RA23	28	-8X	A	0	.	..	.	..
I	II	III	IV	V	VI	VII	VIII	IX

I. Basic type
3RA23 - Reversing starter, basic contactor 3RT2

II. 24 - Basic contactor Type 3RT2024
25 - Basic contactor Type 3RT2025
26 - Basic contactor Type 3RT2026
27 - Basic contactor Type 3RT2027
28 - Basic contactor Type 3RT2028

III. Type of motor protection device
-8X - Without overload relays

IV. Type of mounting: A, B, E, Z

V. Type of locking mechanism: 0, 1, 2, 3, 4, 9

VI. Auxiliary contact arrangements each device: 0, 3, 4, 5, 6, 7

VII. Type of terminals: 1, 2


Certificate No. 11/20020 (E1)

Issue Date 01 July 2016

Expiry Date 11 May 2021


Sheet 13 of 18

Thorsten Wolff
Hamburg Technical Support Office



Lloyd's Register EMEA

LR031.1.2013.12



Lloyd's Register

Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group



TYPES continued

VIII. Operating system

. - Identical to the basic contactor 3RT2

IX. Operating voltage

.. - Identical to the basic contactor 3RT2

Wye-delta starters 3RA242 Size S0

3RA24	26	-8X	E	3	.	-1	A	..
I	II	III	IV	V	VI	VII	VIII	IX

I. Basic type

3RA24 – Star-delta starter, basic contactor 3RT2

II. 23 - 3RT2024, 3RT2024, 3RT2024

24 - 3RT2026, 3RT2026, 3RT2024

25 - 3RT2026, 3RT2026, 3RT2024

26 - 3RT2027, 3RT2027, 3RT2026

III. Type of motor protection device

-8X - Without overload relays

IV. Type of interface

E - I/O Link module

F - Logic module

H -AS-I module

V. Type of locking mechanism: 3

VI. Auxiliary contact arrangements each device: 2

VII. Type of terminals (Identical to the basic contactor 3RT2): 1, 2

Certificate No.

11/20020 (E1)

Issue Date

01 July 2016

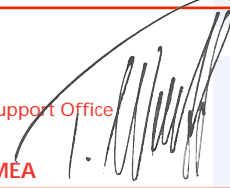
Expiry Date

11 May 2021


Sheet

14 of 18

Thorsten Wolff
Hamburg Technical Support Office



Lloyd's Register EMEA



Lloyd's Register

LR031.1.2013.12

Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA

71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group



TYPES continued

VIII. Operating system
A - AC operating system
B - DC operating system
IX. Operating voltage
.. - Identical to the basic contactor 3RT2

Reversing contactors 3RA233 Size S2

3RA23	38	-8X	B	0	.	-	..	.	..
I	II	III	IV	V	VI	VII	VIII	IX	

I. Basic type
3RA23 - Reversing starter, basic contactor 3RT2

II. 35 - Basic contactor Type 3RT2035
36 - Basic contactor Type 3RT2036
37 - Basic contactor Type 3RT2037
38 - Basic contactor Type 3RT2038

III. Type of motor protection device
-8X - Without overload relays

IV. Type of mounting: B

V. Type of locking mechanism: 3

VI. Auxiliary contact arrangements each device: 0

VII. Type of terminals: 1

VIII. Operating system
A - AC operating system

Certificate No. 11/20020 (E1)

Issue Date 01 July 2016

Expiry Date 11 May 2021

Sheet 15 of 18

Thorsten Wolff
Hamburg Technical Support Office



Lloyd's Register EMEA

LR031.1.2013.12



Lloyd's Register

Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group



TYPES continued

N - UC operating system
IX. Operating voltage
.. - Identical to the basic contactor 3RT2.3

Accessories:

IO-link add-on module:

3RA2711-1BA00, 3RA2711-2BA00, 3RA2711-1CA00, 3RA2711-2CA00

AS-interface add-on module

3RA2712-1BA00, 3RA2712-2BA00, 3RA2712-1CA00, 3RA2712-2CA00

Connecting cable

3RA2711-0EE02, 3RA2711-0EE03, 3RA2711-0EE06, 3RA2711-0EE07,
3RA2711-0EE08, 3RA2711-0EE10, 3RA2711-0EE04, 3RA2711-0EE11,
3RA2711-0EE16, 3RA2711-0EE15 (interface cover), 3RA2711-0EE17
3RA2711-0EE18

Operator panel for IO-link starters: 3RA6935-0A

Logic add on module for wye-delta starter: 3RA2816-0EW20

Couple module for wye-delta starter: 3RA2911-0

Basis module for wye-delta starter: 3RA2912-0

Reversing connector set:

3RA2913-2AA1, 3RA2913-2AA2, 3RA2923-2AA1, 3RA2923-2AA2,
3RA2933-2AA1, 3RA2933-2AA2


Wye-delta connector set:

3RA2913-2BB1, 3RA2913-2BB2, 3RA2923-2BB1, 3RA2923-2BB2,
3RA2933-2C, 3RA2933-2BB1, 3RA2933-2BB2

Star jumper

3RT2916-4BA32, 3RT2926-4BA32, 3RT1936-4BA31

Certificate No. 11/20020 (E1)
Issue Date 01 July 2016
Expiry Date 11 May 2021
Sheet 16 of 18

Thorsten Wolff
Hamburg Technical Support Office

Lloyd's Register EMEA
LR031.1.2013.12



Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group



TYPES continued

Mechanical interlock
3RA2912-2H, 3RA2934-2B

Wiring connector
3RA2913-3DA1, 3RA2913-3EA1, 3RA2913-3DA2, 3RA2913-3EA2,
3RA2923-3DA1, 3RA2923-3EA1, 3RA2923-3DA2, 3RA2923-3EA2,
3RA1933-3D, 3RA1933-3E

Mechanical connector
3RA2932-2C, 3RA2932-2G, 3RA2932-2D

Serial connector for contactors
3RA2916-1A, 3RA2926-1A, 3RA2936-1A

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 – 2002.

STANDARD

IEC 60947-4-1, Edition 3.1: 2012-07
IEC 60947-5-1, Edition 3.1: 2009-07
IEC 61812-1, Edition 2.0: 2011-05

PLACES OF PRODUCTION

Types 3RT2.1, 3RT2.2, 3RH2:
Siemens AG, GWA
Werner-von-Siemens-Straße 48
92220 Amberg
Germany

Type 3RT2.3:
Siemens AG, GWA
Werner-von-Siemens-Straße 29
93413 Cham
Germany

Certificate No.

11/20020 (E1)

Issue Date



01 July 2016

Expiry Date

11 May 2021

Sheet

17 of 18


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

Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group



Lloyd's
Register

**PLACES OF
PRODUCTION continued**

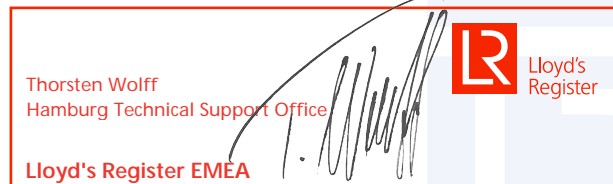
Types 3RH29, 3RA27, 3RA28:
Siemens, s.r.o.,
odstěpny závod Nízkonapět'ová spínací technika
Volanovska 516
541 01 Trutnov
Czech Republic

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 33855-16 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No. 11/20020 (E1)
Issue Date 01 July 2016
Expiry Date 11 May 2021
Sheet 18 of 18



Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.