

EU-Konformitätserklärung / *EU Declaration of Conformity*

Produktbezeichnung: Sanftstarter und Zubehör / Soft Starter and Accessories
Product identification 3RW301 / 3RW302 / 3RW303 / 3RW304 / 3RW3003
 Hersteller: Siemens AG, DF CP
Manufacturer
 Anschrift: DE-92220 Amberg
Address

Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller.

Der oben beschriebene Gegenstand der Erklärung erfüllt die einschlägigen Harmonisierungsrechtsvorschriften der Union:

Niederspannungsrichtlinie:

2014/35/EU Richtlinie des Europäischen Parlaments und des Rates vom 26. Februar 2014 zur Harmonisierung der Rechtsvorschriften der Mitgliedstaaten über die Bereitstellung elektrischer Betriebsmittel zur Verwendung innerhalb bestimmter Spannungsgrenzen auf dem Markt; Amtsblatt der EU L96, 29/03/2014, S. 357–374

EMV-Richtlinie:

2014/30/EU Richtlinie des Europäischen Parlaments und des Rates vom 26. Februar 2014 zur Harmonisierung der Rechtsvorschriften der Mitgliedstaaten über die elektromagnetische Verträglichkeit; Amtsblatt der EU L96, 29/03/2014, S. 79–106

RoHS-Richtlinie:

2011/65/EU Richtlinie des Europäischen Parlaments und des Rates vom 8. Juni 2011 zur Beschränkung der Verwendung bestimmter gefährlicher Stoffe in Elektro- und Elektronikgeräten; Amtsblatt der EU L174, 1/07/2011, S. 88–110

This declaration of conformity is issued under the sole responsibility of the manufacturer.

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

Low Voltage Directive:

2014/35/EU Directive of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits; Official Journal of the EU L96, 29/03/2014, p. 357–374

EMC Directive:

2014/30/EU Directive of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility; Official Journal of the EU L96, 29/03/2014, p. 79–106

RoHS Directive:

2011/65/EU Directive of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment; Official Journal of the EU L174, 1/07/2011, p. 88–110

Diese Erklärung bescheinigt die Übereinstimmung mit den genannten Richtlinien, ist jedoch keine Beschaffenheits- oder Haltbarkeitgarantie. Die Sicherheitshinweise der mitgelieferten Produktdokumentation sind zu beachten.

This declaration is an attestation of conformity with the indicated Directive(s) but does not imply any guarantee of quality or durability. The safety instructions of the accompanying product documentation shall be observed.

Siemens Aktiengesellschaft: Vorsitzender des Aufsichtsrats: Gerhard Cromme; Vorstand: Joe Kaeser, Vorsitzender; Roland Busch, Lisa Davis, Klaus Helmrich, Janina Kugel, Siegfried Russwurm, Ralf P. Thomas;

Sitz der Gesellschaft: Berlin und München, Deutschland; Registergericht: Berlin Charlottenburg, HRB 12300, München, HRB 6684; WEEE-Reg.-Nr. DE 23691322

Die Übereinstimmung des bezeichneten Produkts mit den Vorschriften der angewandten Richtlinie(n) wird nachgewiesen durch die vollständige Einhaltung folgender Normen / Vorschriften:

The conformity of the product described above with the provisions of the applied Directive(s) is demonstrated by full compliance with the following standards / regulations:

Normen / standards:

Referenznummer
Reference number

EN 60947-4-2:2012

EN 50581:2012

EN 60947-5-1:2004+A1:2009

Unterzeichnet für und im Namen von: / signed for and on behalf of:

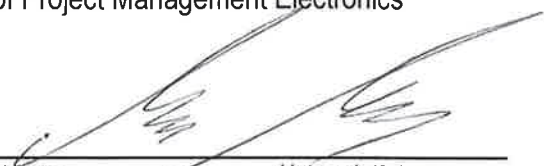
Siemens Aktiengesellschaft

Amberg 2016-06-08
Ort / place Datum der Ausstellung / date of issue

Peter Hartinger
Head of Verification and Certification

Markus Meier
Head of Project Management Electronics

i.V. 
Name / name Unterschrift / signature
Funktion / function

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Name / name Unterschrift / signature
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SIEMENS

Prüf-Nr./Q-Nr.: **2960b**
Certificate No.:

Dienststelle:
Department: **I IA CE CP R&D-VI 4 / Schröck**

Ort:
Place: **Amberg** Tag: **2013-01-03**
Date:

Anlagen:
Enclosures: **LOVAG Test Summary 2960b**

Prüfbescheinigung / Test - Certificate

Erzeugnis / Product: **Load Feeder - Combination of Circuit-Breakers and AC Semiconductor Motorstarter**

Typ:
Type: **3RV2011.. or 3RV2021.. + 3RW3003..**
3RV2011.. or 3RV2021.. + 3RW30..
3RV2011.. or 3RV2021.. + 3RW40..
3RV2021.. + 3RW44

Tech. Daten:
Specification: **$U_e = 400\text{ V}$, $I_q = 55 / 50 / 5\text{ kA}$, $U_e = 500\text{ V}$, $I_q = 10\text{ kA}$**
Type "1" Co-Ordination

Hersteller:
Manufacturer: **Siemens AG**
I IA CE CP

Art der Prüfung / Type of test: **Performance under short-circuit conditions**

Prüfer / Tested by: **VI 2 / Mr. Stadlbauer**

Labor /
Laboratory: **LOVAG registered and DAkkS accredited**
Testing Laboratory
Siemens AG, Amberg

Angewandte Prüfbestimmungen / Test specifications applied:
IEC 60947-4-2, Ed. 3.0: 2011-05

Durchgeführte Prüfungen / Tests conducted:
Test Sequence III: Performance under short-circuit conditions

Prüfergebnis / Test results:
All requirements of the test specification are met.

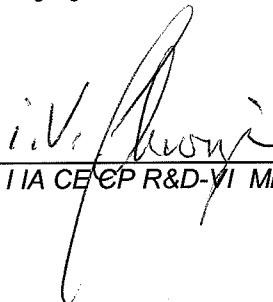
Bemerkungen / Remarks: **Issued: 2009-11-26**

Index a, dated 2010-07-05: Short-Circuit ratings for 500V added (Test Summary of Test Report no. 09047TM11).
Index b, dated 2013-01-03: Test Summaries replaced by Test Summary 2960b. Standard updated. Combinations with new versions 3RV2.2 added.

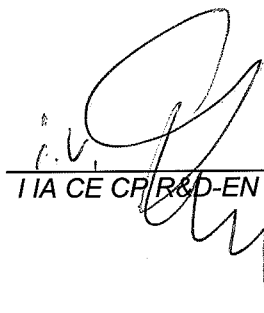
Unterschrift / Signature



Gegengezeichnet / Released by:



I IA CE CP R&D-VI Mr. Schweiger



I IA CE CP R&D-EN Mr. Knauer

SIEMENS AG

Industry Sector

P. Russwurm (Head)

Siemens Aktiengesellschaft: Chairman of the Supervisory Board: Gerhard Cromme;
Managing Board: Peter Loescher, Chairman, President and Chief Executive Officer; Roland Busch, Brigitte Ederer, Klaus Helmrich,
Joe Kaeser, Barbara Kux, Hermann Requardt, Siegfried Russwurm, Peter Y. Solmssen, Michael Suess
Registered offices: Berlin and Munich, Germany; Commercial registries: Berlin Charlottenburg, HRB 12300, Munich, HRB 6684
WEEE-Reg.-No. DE 23691322

Formular: Jan 2012

Test summary

Certificate No.: 2960b

Manufacturer: **Siemens AG / IA CE Amberg**
Werner-von-Siemens-Str. 48, 92220 Amberg

Test device: **Fuseless load feeder**

Type: **3RV2011.. or 3RV2021.. + 3RW3003..**
3RV2011.. or 3RV2021.. + 3RW30..
3RV2011.. or 3RV2021.. + 3RW40..
3RV2021.. + 3RW44

Test specification: **IEC 60947-4-2 Edition 3.0 (2011-05)**

Test report No.: **09047TMI05, 09047TMI11**

Test report no.: 09047TMI05

Test-sequence and sub-clause	Test
IEC 60947-4-2	
Test-sequence III 9.3.4	Performance under short circuit conditions Coordination type 1 (Ue = 400V / Iq = 55 / 50 / 5kA)

Test report no.: 09047TMI11

Test-sequence and sub-clause	Test
IEC 60947-4-2	
Test-sequence III 9.3.4	Performance under short circuit conditions Coordination type 1 (Ue = 500V / Iq = 10kA)

The tests were carried out on devices, representative for the whole series, fixed on page 2 up to 7.

The tests were carried out in the accredited laboratory:

Type Test Center Siemens AG Amberg
Werner-von-Siemens-Str. 48, 92220 Amberg
Accredited-No.: **D-PL-11055-04-01**

Nomenclature breakdown

Certificate No.: 2960b

Series circuit breaker: 3RV2.11..., 3RV2.21..

3RV20 21 -4A A 1 8
I II III IV V VI VII

- I. Basic Type
3RV20 – Circuit Breaker for motor protection
3RV23 – Circuit Breaker for starter combination

- II. Size of terminal for main circuit
11 – up to 16 A
21 – up to 40 A

III. Setting Ranges		
Suffix	From	to (A)
-0A	0.11	0.16
-0B	0.14	0.2
-0C	0.18	0.25
-0D	0.22	0.32
-0E	0.28	0.4
-0F	0.35	0.5
-0G	0.45	0.63
-0H	0.55	0.8
-0J	0.7	1
-0K	0.9	1.25
-1A	1.1	1.6
-1B	1.4	2
-1C	1.8	2.5
-1D	2.2	3.2
-1E	2.8	4
-1F	3.5	5
-1G	4.5	6.3
-1H	5.5	8
-1J	7	10
-1K	9	12.5
-4A	11	16
-4B	14	20
-4C	17	22
-4D	20	25
-4N	23	28
-4E	27	32
-4P	30	36
-4F	34	40

- IV. Tripping Class
A - setting ranges with instantaneous tripping and overload tripping Class 10.
C - with instantaneous tripping and without overload tripping

- V. Type of Terminals
1 - Screw Terminal
2 - spring terminals (only up to 32A)
4 - Ring lug terminals (only up to 32A)

Nomenclature breakdown

Certificate No.: 2960b

- VI. Auxiliary Switches
(Combinations with certified accessories Type 3RV29...)
- 0 - without
 - 1 - 1NO + 1NC, side mounted
 - 2 - 2NO, side mounted
 - 3 - 2NC, side mounted
 - 4 - 1NO/NC Changeover, top mounted
 - 5 - 1NO + 1NC, top mounted

- VII. Others
- .. - Manufacturer's identification

Accessories:

3RA2921-1B	Link Module between Circuit Breaker and Soft Starter Size S00 and S0, screw terminals, 10 pieces
3RA2921-1BA00	Link Module between Circuit Breaker and Soft Starter Size S00 and S0, screw terminals, 1 piece
3RA2911-2G	Link Module between Circuit Breaker and Soft Starter Size S00, spring terminals, 10 pieces
3RA2911-2GA00	Link Module between Circuit Breaker and Soft Starter Size S00, spring terminals, 1 piece
3RA2911-2G	Link Module between Circuit Breaker and Soft Starter Size S0, spring terminals, 10 pieces
3RA2911-2GA00	Link Module between Circuit Breaker and Soft Starter Size S0, spring terminals, 1 piece

Series soft starter: 3RW30..

3RW30 03 -1 CB 5 4
I II III IV V VI

- I. Basic unit designation:
Semiconductor motor controller
- II. current range:
03- I_e = 3 A
- III. Terminal:
1- screw terminal
2- cage clamp
- IV. Number of signalling contacts:
CB- no means
- V. Rated control supply voltage U_s:
5- 24 – 240 V ac/dc
- VI. Rated operational voltage U_e:
4- 200 – 400 V

Nomenclature breakdown Series soft starter: 3RW30..

Certificate No.: 2960b

<u>3RW3</u>	<u>0</u>	<u>13</u>	<u>-1</u>	<u>B</u>	<u>B</u>	<u>1</u>	<u>4</u>
I	II	III	IV	V	VI	VII	VIII

I. Basic type
3RW3 – AC semiconductor motor starter

II. Kind of device
0 - Soft starter

III. Rated operational power P_e at 400V
Rated operational current $I_{eAC-53a}$ at 400V

	P_e :	I_e :
13 -	1,5 kW	3,6 A
14 -	3 kW	6,5 A
16 -	4 kW	9,0 A
17 -	5,5 kW	12,5 A
18 -	7,5 kW	17,6 A
26 -	11 kW	25,3A
27 -	15 kW	32,2A
28 -	18,5 kW	38A

IV. Type of Terminals
1 - screw terminals
2 - spring terminals

V. Special function
B - with bypass

VI. Phases controlled
B - two-phase controlled

VII. Rated control supply voltage, U_s
0 - 24 V ac/dc
1 - 110 - 230 V ac/dc

VIII. Rated operational voltage, U_e
4 - 200 up to 480 V ac

Nomenclature breakdown Series soft starter: 3RW40..

Certificate No.: 2960b

3RW4 0 24 -1 B B 1 4
I II III IV V VI VII VIII

I. Basic type

3RW4 – AC semiconductor motor starter

II. Kind of device

0 - Soft starter

III. Rated operational power P_e at 400V
Rated operational current I_{eAC} -53a at 400V

	P_e :	I_e :
24 -	5,5 kW	12,5A
26 -	11 kW	25,3A
27 -	15 kW	32,2A
28 -	18,5 kW	38A

IV. Type of Terminals

1 - screw terminals
2 - spring terminals

V. Special function

B - with bypass
T - with bypass and thermistor

VI. Phases controlled

B - two-phase controlled

VII. Rated control supply voltage, U_s

0 - 24 V ac/dc
1 - 110 - 230 V ac/dc

VIII. Rated operational voltage, U_e

4 - 200 up to 480 V ac
5 - 400 up to 600 V ac

Nomenclature breakdown Series soft starter: 3RW44..

Certificate No.: 2960b

3RW4 4 22 - 6 B C 4 4
I II III IV V VI VII VIII

I Basic unit designation:
AC semiconductor motor controller

II Kind of device:

4 - Soft starter high end

III Rated operational power P_e :
Rated operational current I_e : for utilization category AC-53a

	P_e :	I_e :
22 -	15 kW	29 A
23 -	18,5 kW	36 A
24 -	22 kW	47 A
25 -	30 kW	57 A
26 -	37 kW	77 A
27 -	45 kW	93 A
34 -	55 kW	113 A
35 -	75 kW	134 A
36 -	90 kW	162 A
43 -	110 kW	203 A
44 -	132 kW	250 A
45 -	160 kW	313 A
46 -	200 kW	356 A
47 -	250 kW	432 A

IV Type of terminals:

- 1 - screw connections standard
- 2 - main conductor: bus bar connections / auxiliary conductors: spring type terminal
- 3 - main conductor: screw connections / auxiliary conductors: spring type terminal
- 6 - main conductor: bus bar connections / auxiliary conductors: screw terminal

V Special function:

- B - with bypass

VI Number of the controlled phases:

- C - three phase controlled

Nomenclature breakdown

Certificate No.: 2960b

VII Rated control supply voltage, U_s :

- 3 - AC 115 V
- 4 - AC 230 V

VIII Rated operational voltage, U_e :

- 4 - 200 - 460 V
- 5 - 400 - 600 V
- 6 - 400 - 690 V

Remarks

Certificate No.: 2960b

2012-12-20:

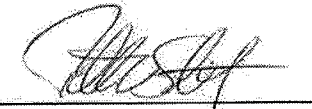
New current ranges for 3RV2.2.. similar to 3RV2.1.. were added.

The existing tests are still valid:

- for the new current ranges, because of identical construction
- according to IEC 60947-4-2, edition 3.0 (2011-05)

Außerg, 2012-12-20
Location, Date


(Tested by)
(Authorized representative)
Mr. Stadlbauer


(Reviewed by)
(Assistant laboratory manager)
Mr. Prechtl-Schöpf

Technical data: Table: load feeders

Certificate No.: 2960b

Test: 9.3.4 Performance under short-circuit conditions

Possible combinations

The tables below show all possible combinations.

For tested combinations see chapter **Tested combinations**.

Every type of terminals of the circuit breaker and the soft starter is possible.

Every control supply voltage of the soft starter is possible.

According to manufacturers operating manual a link module or cables can be used for the connection of circuit breaker and soft starter.

3RW301... The bypass is identical for every current range of series 3RW301..., therefore only one current range with the highest let-through current was tested.

3RW402... The bypass is identical for every current range of series 3RW402..., therefore only one current range with the highest let-through current was tested.

The construction of 3RW3013.. and 3RW3014.. is identical, therefore tests were conducted only with a representative sample of this size.

The construction of 3RW3016.. and 3RW3017.. is identical, therefore tests were conducted only with 3RW3017..

The construction of 3RW302.. and 3RW402.. is identical, therefore tests were conducted only with 3RW402..

Test report no.: 09047TMI05

Class 10:

$U_e = 400 \text{ V}$, Coordination type1:

I_e [A]	Circuit breaker	Soft starter	Current range [A]	I_q [kA]	covered by table
3	3RV20x1-1EA10	3RW3003-1CB54	2,8 - 4	50	1
3,6	3RV20x1-1FA10	3RW3013-1BB14	3,5 - 5	5	2
6,5	3RV20x1-1HA10	3RW3014-1BB14	5,5 - 8	5	2
9	3RV20x1-1JA10	3RW3016-1BB14	7 - 10	5	3
12,5	3RV20x1-1KA10	3RW3017-1BB14	9 - 12,5	5	3
17,6	3RV2021-4BA10	3RW3018-1BB14	14 - 20	5	4
25	3RV2021-4DA10	3RW3026-1BB14	20 - 25	55	6
32	3RV2021-4EA10	3RW3027-1BB14	27 - 32	55	7
38	3RV2021-4FA10	3RW3028-1BB14	34 - 40	55	8
12,5	3RV2021-4AA10	3RW4024-1BB14	11 - 16	55	5
25	3RV2021-4DA10	3RW4026-1BB14	20 - 25	55	6
32	3RV2021-4EA10	3RW4027-1BB14	27 - 32	55	7
38	3RV2021-4FA10	3RW4028-1BB14	34 - 40	55	8

Class 10:

$U_e = 400 \text{ V}$, Coordination type1:

I_e [A]	Circuit breaker	Soft starter	Current range [A]	I_q [kA]	covered by table
29	3RV2021-4EA10	3RW4422-1BC44	27 - 32	42	9
36	3RV2021-4FA10	3RW4423-1BC44	34 - 40	42	10

note: 3RV20x1.. = 3RV2011.. or 3RV2021..

Technical data:

Continuation: Possible combinations

Certificate No.: 2960b

Test report no.: 09047TMI11

Class 10:

U_e = 500 V, Coordination type1:

le [A]	Circuit breaker	Soft starter	Current range [A]	Iq [kA]	covered by table
15,5	3RV20x1-4AA10	3RW4024-1BB14	11 - 16	10	11
22	3RV2021-4DA10	3RW4026-1BB14	20 - 25	10	12
29	3RV2021-4EA20	3RW4027-2BB14	27 - 32	10	13
35	3RV2021-4FA10	3RW4028-1BB14	34 - 40	10	14
29	3RV2021-4EA10	3RW4422-1BC44	27 - 32	10	15, 16
36	3RV2021-4FA10	3RW4423-1BC44	34 - 40	10	16

note: 3RV20x1.. = 3RV2011.. or 3RV2021..

Technical data:

Tested combinations

The tables below show the tested combinations, which cover all possible combinations.

Tests with circuit breaker 3RV2.11.. cover tests with circuit breaker 3RV2.21.. of the same current range and versus.

Certificate No.: 2960b

Test report no.: 09047TMI05 (Table 1 up to 10 tested with 400V)

Table 1

Circuit breaker	Soft starter	Current range [A]	I _q [kA]	Thyristor tested	Bypass tested	test sample I _q
3RV2011-1EA10	3RW3003-1CB54	2,8 - 4	50	X		09047TM100

Table 2

Circuit breaker	Soft starter	Current range [A]	I _q [kA]	Thyristor tested	Bypass tested	test sample I _q
3RV2011-1HA10	3RW3013-1BB14	5,5 - 8	5	X		09047TM128

Table 3

Circuit breaker	Soft starter	Current range [A]	I _q [kA]	Thyristor tested	Bypass tested	test sample I _q
3RV2011-1KA10	3RW3017-1BB14	9 - 12,5	5	X		09047TM125

Table 4

Circuit breaker	Soft starter	Current range [A]	I _q [kA]	Thyristor tested	Bypass tested	test sample I _q
3RV2021-4BA10	3RW3018-1BB14	14 - 20	5	X		09047TM123
3RV2021-4BA10	3RW3018-1BB14	14 - 20	5		X	09047TM103
3RV2021-4BA20	3RW3018-2BB14	14 - 20	5		X	09047TM104

Table 5

Circuit breaker	Soft starter	Current range [A]	I _q [kA]	Thyristor tested	Bypass tested	test sample I _q
3RV2021-4AA10	3RW4024-1BB14	11 - 16	55	X		09047TM106

Table 6

Circuit breaker	Soft starter	Current range [A]	I _q [kA]	Thyristor tested	Bypass tested	test sample I _q
3RV2021-4DA10	3RW4026-1BB14	20 - 25	55	X		09047TM107

Table 7

Circuit breaker	Soft starter	Current range [A]	I _q [kA]	Thyristor tested	Bypass tested	test sample I _q
3RV2021-4EA10	3RW4027-1BB14	27 - 32	55	X		09047TM115
3RV2021-4EA20	3RW4027-2BB14	27 - 32	55		X	09047TM109

Technical data:

Continuation: Tested combinations

Certificate No.: 2960b

Table 8

Circuit breaker	Soft starter	Current range [A]	I _q [kA]	Thyristor tested	Bypass tested	test sample I _q
3RV2021-4FA10	3RW4028-1BB14	34 - 40	55		X	09047TM131
3RV2021-4FA10	3RW4028-1BB14	34 - 40	55	X		09047TM132

Table 9

Circuit breaker	Soft starter	Current range [A]	I _q [kA]	Thyristor tested	Bypass tested	test sample I _q
3RV2021-4EA10	3RW4422-1BC44	27 - 32	42	X		09047TM133
3RV2021-4EA10	3RW4422-1BC44	27 - 32	42	X		09047TM134

Table 10

Circuit breaker	Soft starter	Current range [A]	I _q [kA]	Thyristor tested	Bypass tested	test sample I _q
3RV2021-4FA10	3RW4422-1BC44	34 - 40	42	X		09047TM135
3RV2021-4FA10	3RW4422-1BC44	34 - 40	42	X		09047TM136
3RV2021-4FA10	3RW4422-1BC44	34 - 40	42		X	09047TM137

Test report no.: 09047TMI11 (Table 11 up to 16 tested with 500V)

Table 11

Circuit breaker	Soft starter	Current range [A]	I _q [kA]	Thyristor tested	Bypass tested	test sample I _q
3RV2011-4AA10	3RW4024-1BB14	11 - 16	10	X		09047TM152

Table 12

Circuit breaker	Soft starter	Current range [A]	I _q [kA]	Thyristor tested	Bypass tested	test sample I _q
3RV2021-4DA10	3RW4026-1BB14	20 - 25	10	X		09047TM141

Table 13

Circuit breaker	Soft starter	Current range [A]	I _q [kA]	Thyristor tested	Bypass tested	test sample I _q
3RV2021-4EA20	3RW4027-2BB14	27 - 32	10	X		09047TM142
3RV2021-4EA20	3RW4027-2BB14	27 - 32	10		X	09047TM143

Table 14

Circuit breaker	Soft starter	Current range [A]	I _q [kA]	Thyristor tested	Bypass tested	test sample I _q
3RV2021-4FA10	3RW4028-1BB14	34 - 40	10		X	09047TM144
3RV2021-4FA10	3RW4028-1BB14	34 - 40	10	X		09047TM145

Technical data:
Continuation: Tested combinations

Certificate No.: 2960b

Table 15

Circuit breaker	Soft starter	Current range [A]	I _q [kA]	Thyristor tested	Bypass tested	test sample I _q
3RV2021-4EA10	3RW4422-1BC44	27 - 32	10	X		09047TM146
3RV2021-4EA10	3RW4422-1BC44	27 - 32	10	X		09047TM147

Table 16

Circuit breaker	Soft starter	Current range [A]	I _q [kA]	Thyristor tested	Bypass tested	test sample I _q
3RV2021-4FA10	3RW4423-1BC44	34 - 40	10	X		09047TM148
3RV2021-4FA10	3RW4423-1BC44	34 - 40	10	X		09047TM149
3RV2021-4FA10	3RW4422-1BC44	34 - 40	10		X	09047TM150

Confirmation

Bestätigung

Product identification:
Produktbezeichnung

Fused load feeders consisting of, *Sicherungsbefahtene Verbraucherabzweige bestehend aus*
3RT201, 3RT202, 3RT203, 3RT204, 3RT105, 3RT1.6, 3RT1.7, 3TF6
3RU211, 3RU212, 3RU213, 3RU214
3RB3.1, 3RB3.2, 3RB3.3, 3RB3.4, 3RB2.5, 3RB2.6
3UF70/3UF71
3RB22/23/24, 3RB29.6
3RR2.41, 3RR2.42, 3RR2.43
3RW301, 3RW302, 3RW303, 3RW304
3RF34

Manufacturer:
Hersteller

Siemens AG, DF CP

Address:
Anschrift

DE-92220 Amberg

Fused load feeders coordination type 1 / 2
according IEC 60947-4-1/-4-2 up to AC 690 V
*Sicherungsbefahtene Verbraucherabzweige, Zuordnungsart 1 / 2
nach IEC 60947-4-1/-4-2 bis AC 690 V*

We confirm that the fused load feeders, mentioned above corresponding to attached annex and in compliance with the installation guidelines fulfill the conditions for the coordination type 1 / 2 mentioned in the enclosures according to IEC 60947-4-1, Edition 3.1 (07-2012) and IEC 60947-4-2, Edition 3.0 (05-2011).

Hiermit bestätigen wir, dass oben genannte sicherungsbefahtene Verbraucherabzweige, wie in den beigefügten Tabellen aufgelistet und unter Einhaltung der entsprechenden Aufbaurichtlinien die Anforderung der Zuordnungsart 1 / 2 nach IEC 60947-4-1, Edition 3.1 (07-2012) und IEC 60947-4-2, Edition 3.0 (05-2011) erfüllen.

Siemens Aktiengesellschaft
DF CP R&D
92220 Amberg

2017-06-07 Amberg
date of issue place

This confirmation does not imply any guarantee of quality or durability. The safety instructions of the accompanying product documentation shall be observed.
Diese Bestätigung enthält keine Beschaffenheits- oder Haltbarkeitsgarantie. Die Sicherheitshinweise der mitgelieferten Produktdokumentation sind zu beachten.

Siemens Aktiengesellschaft: Chairman of the Supervisory Board: Gerhard Cromme; Managing Board: Joe Kaeser, Chairman, President and Chief Executive Officer; Roland Busch, Lisa Davis, Klaus Helmrich, Janina Kugel, Siegfried Russwurm, Ralf P. Thomas; Registered offices: Berlin and Munich, Germany; Commercial registries: Berlin Charlottenburg, HRB 12300, Munich, HRB 6684; WEEE-Reg.-No. DE 23691322

1	Selection tables for fused load feeders up to 690 V	
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1.1 Short-circuit protection: 3RT, 3TF6 contactor, type of coordination 1 and 2

Short-circuit protection up to 690 V / 100 kA (contactors $\geq$ S6: 50kA)
Type of coordination 1 and 2

Table 1- 1 Fuse links for protection according to IEC 60947-4-1

Contactor	Fuse links ¹⁾					
	gG [A]		aM [A]		British Standards BS88 ³⁾ (415 V / 80 kA) [A]	
Article No.	Type of coordination ²⁾					
	1	2	1	2	1	2
Size S00						
3RT2015	35	20	20	16	35	20
3RT2016	35	20	20	16	35	20
3RT2017	50	20	20	16	35	20
3RT2018	50	25	25	20	50	25
Size S0						
3RT2023	63	25	32	20	63	25
3RT2024	63	25	32	20	63	25
3RT2025	63	25	32	20	63	25
3RT2026	100	35	50	20	100	35
3RT2027	125	50	50	25	125	50
3RT2028	125	50	50	25	125	50
Size S2						
3RT2035	160	80	80	50	125	63
3RT2036	160	80	80	50	125	63
3RT2037	250	125	160	63	200	100
3RT2038	250	160	160	80	200	125
Size S3						
3RT2045	250	160	160	80	200	125
3RT2046	250	160	160	100	200	125
3RT2047	250	200	160	100	200	160
Size S6 (only up to 50kA)						
3RT1054	355	315	–	160	–	250
3RT1055	355	315	–	200	–	315
3RT1056	355	315	–	200	–	315
Size S10 (only up to 50kA)						
3RT1064	500	400	–	250	–	400
3RT1264	500	500	–	400	–	450
3RT1065	500	400	–	315	–	400

Contactor	Fuse links ¹⁾					
	gG [A]		aM [A]		British Standards BS88 ³⁾ (415 V / 80 kA) [A]	
Article No.	Type of coordination ²⁾					
	1	2	1	2	1	2
3RT1265	500	500	–	400	–	450
3RT1066	500	400	–	315	–	400
3RT1266	500	500	–	400	–	450
Size S12 (only up to 50kA)						
3RT1075	630	500	–	400	–	450
3RT1275	800	800	–	630	–	800
3RT1076	630	500	–	500	–	500
3RT1276	800	800	–	630	–	800
Size 14 (only up to 50kA)						
3TF68	1.000	500	–	630	–	500
3TF69	1.250	630	–	630	–	630

1) Please take account of the rated voltage

2) Assignment and short-circuit protective devices acc. to IEC 60947-4-1

3) For BS88 fuses, fuse links are to be used according to table 2 (see page 38)

1.2 Short-circuit protection 3RU2 thermal overload relay, type of coordination 1 and 2

Short-circuit protection up to 690 V / 100 kA
Type of coordination 1 and 2

Table 1- 2 Fuse links for protection according to IEC 60947-4-1

Thermal overload relay		Fuse links ¹⁾					
		gG [A]		aM [A]		British Standards BS88 ³⁾ (415 V / 80 kA) [A]	
Article No.	Setting range [A]	Type of coordination ²⁾					
		1	2	1	2	1	2
Size S00							
3RU2116-0A..	0.11 ... 0.16	35	0.5	35	–	25	–
3RU2116-0B..	0.14 ... 0.20	35	1	35	–	25	–
3RU2116-0C..	0.18 ... 0.25	35	1	35	–	25	–
3RU2116-0D..	0.22 ... 0.32	35	1.6	35	–	25	2
3RU2116-0E..	0.28 ... 0.40	35	2	35	–	25	2
3RU2116-0F..	0.35 ... 0.50	35	2	35	–	25	2

Thermal overload relay		Fuse links ¹⁾					
		gG [A]		aM [A]		British Standards BS88 ³⁾ (415 V / 80 kA) [A]	
Article No.	Setting range [A]	Type of coordination ²⁾					
		1	2	1	2	1	2
3RU2116-0G..	0.45 ... 0.63	35	2	35	–	25	4
3RU2116-0H..	0.55 ... 0.80	35	4	35	–	25	4
3RU2116-0J..	0.70 ... 1.0	35	4	35	–	25	6
3RU2116-0K..	0.90 ... 1.25	35	4	35	–	25	6
3RU2116-1A..	1.10 ... 1.60	40	6	35	–	40	10
3RU2116-1B..	1.4 ... 2.0	40	6	35	–	40	10
3RU2116-1C..	1.8 ... 2.5	40	10	35	–	40	10
3RU2116-1D..	2.2 ... 3.2	40	10	35	–	40	16
3RU2116-1E..	2.8 ... 4.0	40	16	35	6	40	16
3RU2116-1F..	3.5 ... 5.0	40	20	35	6	40	20
3RU2116-1G..	4.5 ... 6.3	40	20	35	10	40	25
3RU2116-1H..	5.5 ... 8.0	40	25	35	10	40	32
3RU2116-1J..	7.0 ... 10	40	35	35	16	40	35
3RU2116-1K..	9.0 ... 12.5	40	35	35	20	40	35
3RU2116-4A..	11 ... 16	50	40	40	20	50	40
Size S0							
3RU2126-1C..	1.8 ... 2.5	125	10	35	–	125	10
3RU2126-1D..	2.2 ... 3.2	125	10	35	–	125	16
3RU2126-1E..	2.8 ... 4.0	125	16	35	6	125	16
3RU2126-1F..	3.5 ... 5.0	125	20	35	6	125	20
3RU2126-1G..	4.5 ... 6.3	125	20	35	10	125	25
3RU2126-1H..	5.5 ... 8.0	125	25	35	10	125	32
3RU2126-1J..	7.0 ... 10	125	35	35	16	125	35
3RU2126-1K..	9.0 ... 12.5	125	35	35	20	125	35
3RU2126-4A..	11 ... 16	125	40	35	20	125	40
3RU2126-4B..	14 ... 20	125	50	35	25	125	50
3RU2126-4C..	17 ... 22	125	63	63	35	125	63
3RU2126-4D..	20 ... 25	125	63	63	35	125	63
3RU2126-4N..	23 ... 28	125	80	63	40	125	63
3RU2126-4E..	27 ... 32	125	80	63	40	125	63
3RU2126-4P..	30 ... 36	125	80	63	50	125	63
3RU2126-4F..	34 ... 40	125	80	63	50	125	80
Size S2							
3RU2136-4A..	11 ... 16	80	40	50	20	80	40
3RU2136-4B..	14 ... 20	125	50	100	25	125	50
3RU2136-4D..	18 ... 25	125	63	100	35	125	63
3RU2136-4E..	22 ... 32	125	80	100	50	125	80
3RU2136-4F..	28 ... 40	125	80	100	50	125	80

Thermal overload relay		Fuse links ¹⁾					
		gG [A]		aM [A]		British Standards BS88 ³⁾ (415 V / 80 kA) [A]	
Article No.	Setting range [A]	Type of coordination ²⁾					
		1	2	1	2	1	2
3RU2136-4G..	36 ... 45	125	100	100	63	125	100
3RU2136-4H..	40 ... 50	125	100	100	80	125	100
3RU2136-4Q..	47 ... 57	200	100	160	80	200	100
3RU2136-4J..	54 ... 65	250	125	224	100	250	125
3RU2136-4K..	62 ... 73	250	160	224	125	250	160
3RU2136-4R..	70 ... 80	250	160	224	125	250	160
Size S3							
3RU2146-4F..	28 ... 40	160	80	125	50	160	80
3RU2146-4H..	36 ... 50	160	125	125	100	160	125
3RU2146-4J..	45 ... 63	200	125	160	100	200	125
3RU2146-4K..	57 ... 75	250	160	224	125	250	160
3RU2146-4L..	70 ... 90	250	160	224	125	250	160
3RU2146-4M..	80 ... 100	250	200	224	160	250	200

1) Please take account of the rated voltage

2) Assignment and short-circuit protective devices acc. to IEC 60947-4-1

3) For BS88 fuses, fuse links are to be used according to table 2 (see page 38)

1.3 Short-circuit protection: 3RT2 contactor + 3RU2 thermal overload relay, type of coordination 1 and 2

Short-circuit protection up to 690 V / 100 kA

Type of coordination 1 and 2

Table 1- 3 Fuse links for protection according to IEC 60947-4-1 operating class gG, (NH DIAZED, NEOZED; type 3NA, 5SB, 5SE)

Thermal overload relay			Contactor class10				Fuse-links ¹⁾					
	Setting range [A]			AC-3 derating values for contactor [A]			gG [A]		aM [A]		British Standards BS88 ²⁾ [A]	
Article No.	I _u	I _o	Article No.	400V	500V	690V	Type of coordination ³⁾					
							1	2	1	2	1	2
3RU2116-0A..	0,11	0,16	stand alone	0,16	0,16	0,16	35	0,5	35	-	25	-
3RU2116-0A..	0,11	0,16	3RT2015..	0,16	0,16	0,16	35	0,5	20	-	25	-

Thermal overload relay			Contactor class10				Fuse-links ¹⁾					
	Setting range [A]			AC-3 derating values for contactor [A]			gG [A]		aM [A]		British Standards BS88 ²⁾ [A]	
Article No.	I _u	I _o	Article No.	400V	500V	690V	Type of coordination ³⁾					
							1	2	1	2	1	2
3RU2116-0B..	0,14	0,20	stand alone	0,2	0,2	0,2	35	1	35	-	25	-
3RU2116-0B..	0,14	0,20	3RT2015..	0,2	0,2	0,2	35	1	20	-	25	-
3RU2116-0C..	0,18	0,25	stand alone	0,25	0,25	0,25	35	1	35	-	25	-
3RU2116-0C..	0,18	0,25	3RT2015..	0,25	0,25	0,25	35	1	20	-	25	-
3RU2116-0D..	0,22	0,32	stand alone	0,32	0,32	0,32	35	1,6	35	-	25	2
3RU2116-0D..	0,22	0,32	3RT2015..	0,32	0,32	0,32	35	1,6	20	-	25	2
3RU2116-0E..	0,28	0,40	stand alone	0,4	0,4	0,4	35	2	35	-	25	2
3RU2116-0E..	0,28	0,40	3RT2015..	0,4	0,4	0,4	35	2	20	-	25	2
3RU2116-0F..	0,35	0,50	stand alone	0,5	0,5	0,5	35	2	35	-	25	2
3RU2116-0F..	0,35	0,50	3RT2015..	0,5	0,5	0,5	35	2	20	-	25	2
3RU2116-0G..	0,45	0,63	stand alone	0,63	0,63	0,63	35	2	35	-	25	4
3RU2116-0G..	0,45	0,63	3RT2015..	0,63	0,63	0,63	35	2	20	-	25	4
3RU2116-0H..	0,55	0,80	stand alone	0,8	0,8	0,8	35	4	35	-	25	4
3RU2116-0H..	0,55	0,80	3RT2015..	0,8	0,8	0,8	35	4	20	-	25	4
3RU2116-0J..	0,70	1,00	stand alone	1	1	1	35	4	35	-	25	6
3RU2116-0J..	0,70	1,00	3RT2015..	1	1	1	35	4	20	-	25	6
3RU2116-0K..	0,90	1,25	stand alone	1,25	1,25	1,25	35	4	35	-	25	6
3RU2116-0K..	0,90	1,25	3RT2015..	1,25	1,25	1,25	35	4	20	-	25	6
3RU2116-1A..	1,10	1,60	stand alone	1,6	1,6	1,6	40	6	35	-	40	10
3RU2116-1A..	1,10	1,60	3RT2015..	1,6	1,6	1,6	35	6	20	-	35	10
3RU2116-1B..	1,40	2,00	stand alone	2	2	2	40	6	35	-	40	10
3RU2116-1B..	1,40	2,00	3RT2015..	2	2	2	35	6	20	-	35	10
3RU2116-1C..	1,80	2,50	stand alone	2,5	2,5	2,5	40	10	35	-	40	10
3RU2116-1C..	1,80	2,50	3RT2015..	2,5	2,5	2,5	35	10	20	-	35	10
3RU2116-1D..	2,2	3,2	stand alone	3,2	3,2	3,2	40	10	35	-	40	16
3RU2116-1D..	2,2	3,2	3RT2015..	3,2	3,2	3,2	35	10	20	-	35	16
3RU2116-1E..	2,8	4	stand alone	4	4	4	40	16	35	6	40	16
3RU2116-1E..	2,8	4	3RT2015..	4	4	4	35	16	20	6	35	16
3RU2116-1F..	3,5	5	stand alone	5	5	5	40	20	35	6	40	20
3RU2116-1F..	3,5	5	3RT2015..	5	5	-	35	20	20	6	35	20
3RU2116-1F..	3,5	5	3RT2016..	5	5	5	35	20	20	6	35	20
3RU2116-1G..	4,5	6,3	stand alone	6,3	6,3	6,3	40	20	35	10	40	25

Thermal overload relay			Contactor class10				Fuse-links ¹⁾					
	Setting range [A]			AC-3 derating values for contactor [A]			gG [A]		aM [A]		British Standards BS88 ²⁾ [A]	
Article No.	I _u	I _o	Article No.	400V	500V	690V	Type of coordination ³⁾					
							1	2	1	2	1	2
3RU2116-1G..	4,5	6,3	3RT2015..	6,3	-	-	35	20	20	10	35	20
3RU2116-1G..	4,5	6,3	3RT2016..	6,3	6,3	6,3	35	20	20	10	35	20
3RU2116-1H..	5,5	8	stand alone	8	8	8	40	25	35	10	40	32
3RU2116-1H..	5,5	8	3RT2015..	-	-	-	-	-	-	-	-	-
3RU2116-1H..	5,5	8	3RT2016..	8	-	-	35	20	20	10	35	20
3RU2116-1H..	5,5	8	3RT2017..	8	8	-	40	20	20	10	35	20
3RU2116-1H..	5,5	8	3RT2018..	8	8	8	40	25	25	10	40	25
3RU2116-1J..	7	10	stand alone	10	10	10	40	35	35	16	40	35
3RU2116-1J..	7	10	3RT2016..	-	-	-	-	-	-	-	-	-
3RU2116-1J..	7	10	3RT2017..	10	-	-	40	20	20	16	35	20
3RU2116-1J..	7	10	3RT2018..	10	10	-	40	25	25	16	40	25
3RU2116-1J.. ⁴⁾	7	10	3RT2024..	10	10	-	40	25	32	16	40	25
3RU2116-1J.. ⁴⁾	7	10	3RT2025..	10	10	10	40	25	32	16	40	25
3RU2116-1K..	9	12,5	stand alone	12,5	12,5	12,5	40	35	35	20	40	35
3RU2116-1K..	9	12,5	3RT2017..	-	-	-	-	-	-	-	-	-
3RU2116-1K..	9	12,5	3RT2018..	12,5	-	-	40	25	25	20	40	25
3RU2116-1K.. ⁴⁾	9	12,5	3RT2024..	-	-	-	-	-	-	-	-	-
3RU2116-1K.. ⁴⁾	9	12,5	3RT2025..	12,5	12,5	12,5	40	25	32	20	40	25
3RU2116-1K.. ⁴⁾	9	12,5	3RT2026..	12,5	12,5	12,5	40	35	35	20	40	35
3RU2116-4A..	11	16	stand alone	16	16	16	50	40	40	20	50	40
3RU2116-4A..	11	16	3RT2017..	-	-	-	-	-	-	-	-	-
3RU2116-4A..	11	16	3RT2018..	16	-	-	50	25	25	20	50	25
3RU2116-4A.. ⁴⁾	11	16	3RT2024..	-	-	-	-	-	-	-	-	-
3RU2116-4A.. ⁴⁾	11	16	3RT2025..	16	16	-	50	25	32	20	50	25
3RU2116-4A.. ⁴⁾	11	16	3RT2026..	16	16	-	50	35	40	20	50	35
3RU2116-4A.. ⁴⁾	11	16	3RT2027..	16	16	16	50	40	40	20	50	40
3RU2116-4A.. ⁴⁾	11	16	3RT2028..	16	16	16	50	40	40	20	50	40
3RU2126-1C..	1,8	2,5	stand alone	2,5	2,5	2,5	125	10	35	-	125	10
3RU2126-1C.. ⁴⁾	1,8	2,5	3RT2015..	2,5	2,5	2,5	35	10	20	-	35	10
3RU2126-1C..	1,8	2,5	3RT2024..	2,5	2,5	2,5	63	10	32	-	63	10
3RU2126-1D..	2,2	3,2	stand alone	3,2	3,2	3,2	125	10	35	-	125	16
3RU2126-1D.. ⁴⁾	2,2	3,2	3RT2015..	3,2	3,2	3,2	35	10	20	-	35	16

Thermal overload relay			Contactor class10				Fuse-links ¹⁾					
	Setting range [A]			AC-3 derating values for contactor [A]			gG [A]		aM [A]		British Standards BS88 ²⁾ [A]	
Article No.	lu	lo	Article No.	400V	500V	690V	Type of coordination ³⁾					
							1	2	1	2	1	2
3RU2126-1D..	2,2	3,2	3RT2024..	3,2	3,2	3,2	63	10	32	-	63	16
3RU2126-1E..	2,8	4	stand alone	4	4	4	125	16	35	6	125	16
3RU2126-1E.. ⁴⁾	2,8	4	3RT2015..	4	4	4	35	16	20	6	35	16
3RU2126-1E..	2,8	4	3RT2024..	4	4	4	63	16	32	6	63	16
3RU2126-1F..	3,5	5	stand alone	5	5	5	125	20	35	6	125	20
3RU2126-1F.. ⁴⁾	3,5	5	3RT2015..	5	5	-	35	20	20	6	35	20
3RU2126-1F.. ⁴⁾	3,5	5	3RT2016..	5	5	5	35	20	20	6	35	20
3RU2126-1F..	3,5	5	3RT2024..	5	5	5	63	20	32	6	63	20
3RU2126-1G..	4,5	6,3	stand alone	6,3	6,3	6,3	125	20	35	10	125	25
3RU2126-1G.. ⁴⁾	4,5	6,3	3RT2015..	6,3	-	-	35	20	20	10	35	20
3RU2126-1G.. ⁴⁾	4,5	6,3	3RT2016..	6,3	6,3	6,3	35	20	20	10	35	20
3RU2126-1G..	4,5	6,3	3RT2024..	6,3	6,3	6,3	63	20	32	10	63	25
3RU2126-1H..	5,5	8	stand alone	8	8	8	125	25	35	10	125	32
3RU2126-1H.. ⁴⁾	5,5	8	3RT2015..	-	-	-	-	-	-	-	-	-
3RU2126-1H.. ⁴⁾	5,5	8	3RT2016..	8	-	-	35	20	20	10	35	20
3RU2126-1H.. ⁴⁾	5,5	8	3RT2017..	8	8	-	50	20	20	10	35	20
3RU2126-1H.. ⁴⁾	5,5	8	3RT2018..	8	8	8	50	25	25	10	50	25
3RU2126-1H..	5,5	8	3RT2024..	8	8	8	63	25	32	10	63	25
3RU2126-1J..	7	10	stand alone	10	10	10	125	35	35	16	125	35
3RU2126-1J.. ⁴⁾	7	10	3RT2016..	-	-	-	-	-	-	-	-	-
3RU2126-1J.. ⁴⁾	7	10	3RT2017..	10	-	-	50	20	20	16	35	20
3RU2126-1J.. ⁴⁾	7	10	3RT2018..	10	10	-	50	25	25	16	50	25
3RU2126-1J..	7	10	3RT2024..	10	10	-	63	25	32	16	63	25
3RU2126-1J..	7	10	3RT2025..	10	10	10	63	25	32	16	63	25
3RU2126-1K..	9	12,5	stand alone	12,5	12,5	12,5	125	35	35	20	125	35
3RU2126-1K.. ⁴⁾	9	12,5	3RT2017..	-	-	-	-	-	-	-	-	-
3RU2126-1K.. ⁴⁾	9	12,5	3RT2018..	12,5	-	-	50	25	25	20	50	25
3RU2126-1K..	9	12,5	3RT2024..	-	-	-	-	-	-	-	-	-
3RU2126-1K..	9	12,5	3RT2025..	12,5	12,5	12,5	63	25	32	20	63	25
3RU2126-4A..	11	16	stand alone	16	16	16	125	40	35	20	125	40
3RU2126-4A.. ⁴⁾	11	16	3RT2017..	-	-	-	-	-	-	-	-	-
3RU2126-4A.. ⁴⁾	11	16	3RT2018..	16	-	-	50	25	25	20	50	25

Thermal overload relay			Contactor class10				Fuse-links ¹⁾					
	Setting range [A]			AC-3 derating values for contactor [A]			gG [A]		aM [A]		British Standards BS88 ²⁾ [A]	
Article No.	lu	lo	Article No.	400V	500V	690V	Type of coordination ³⁾					
							1	2	1	2	1	2
3RU2126-4A..	11	16	3RT2024..	-	-	-	-	-	-	-	-	-
3RU2126-4A..	11	16	3RT2025..	16	16	-	63	25	32	20	63	25
3RU2126-4A..	11	16	3RT2026..	16	16	-	100	35	35	20	100	35
3RU2126-4A..	11	16	3RT2027..	16	16	16	125	40	35	20	125	40
3RU2126-4A..	11	16	3RT2028..	16	16	16	125	40	35	20	125	40
3RU2126-4B..	14	20	stand alone	20	20	20	125	50	35	25	125	50
3RU2126-4B..	14	20	3RT2025..	-	-	-	-	-	-	-	-	-
3RU2126-4B..	14	20	3RT2026..	20	-	-	100	35	35	20	100	35
3RU2126-4B..	14	20	3RT2027..	20	20	20	125	50	35	25	125	50
3RU2126-4B..	14	20	3RT2028..	20	20	20	125	50	35	25	125	50
3RU2126-4C..	17	22	stand alone	22	22	22	125	63	63	35	125	63
3RU2126-4C..	17	22	3RT2025..	-	-	-	-	-	-	-	-	-
3RU2126-4C..	17	22	3RT2026..	22	-	-	100	35	50	20	100	35
3RU2126-4C..	17	22	3RT2027..	22	22	-	125	50	50	25	125	50
3RU2126-4C..	17	22	3RT2028..	22	22	-	125	50	50	25	125	50
3RU2126-4C.. ⁴⁾	17	22	3RT2035..	22	22	22	125	63	63	35	125	63
3RU2126-4D..	20	25	stand alone	25	25	25	125	63	63	35	125	63
3RU2126-4D..	20	25	3RT2025..	-	-	-	-	-	-	-	-	-
3RU2126-4D..	20	25	3RT2026..	25	-	-	100	35	50	20	100	35
3RU2126-4D..	20	25	3RT2027..	25	25	-	125	50	50	25	125	50
3RU2126-4D..	20	25	3RT2028..	25	25	-	125	50	50	25	125	50
3RU2126-4D.. ⁴⁾	20	25	3RT2035..	25	25	-	125	63	63	35	125	63
3RU2126-4D.. ⁴⁾	20	25	3RT2036..	25	25	-	125	63	63	35	125	63
3RU2126-4D.. ⁴⁾	20	25	3RT2037..	25	25	25	125	63	63	35	125	63
3RU2126-4N..	23	28	stand alone	28	28	28	125	80	63	40	125	63
3RU2126-4N..	23	28	3RT2026..	-	-	-	-	-	-	-	-	-
3RU2126-4N..	23	28	3RT2027..	28	28	-	125	50	50	25	125	50
3RU2126-4N..	23	28	3RT2028..	28	28	-	125	50	50	25	125	50
3RU2126-4N.. ⁴⁾	23	28	3RT2035..	28	28	-	125	80	63	40	125	63
3RU2126-4N.. ⁴⁾	23	28	3RT2036..	28	28	-	125	80	63	40	125	63
3RU2126-4N.. ⁴⁾	23	28	3RT2037..	28	28	28	125	80	63	40	125	63
3RU2126-4E..	27	32	stand alone	32	32	32	125	80	63	40	125	63

Thermal overload relay			Contactor class10				Fuse-links ¹⁾					
	Setting range [A]			AC-3 derating values for contactor [A]			gG [A]		aM [A]		British Standards BS88 ²⁾ [A]	
Article No.	lu	lo	Article No.	400V	500V	690V	Type of coordination ³⁾					
							1	2	1	2	1	2
3RU2126-4E..	27	32	3RT2026..	-	-	-	-	-	-	-	-	-
3RU2126-4E..	27	32	3RT2027..	32	32	-	125	50	50	25	125	50
3RU2126-4E..	27	32	3RT2028..	32	32	-	125	50	50	25	125	50
3RU2126-4E.. ⁴⁾	27	32	3RT2035..	32	32	-	125	80	63	40	125	63
3RU2126-4E.. ⁴⁾	27	32	3RT2036..	32	32	-	125	80	63	40	125	63
3RU2126-4E.. ⁴⁾	27	32	3RT2037..	32	32	32	125	80	63	40	125	63
3RU2126-4P..	30	36	stand alone	36	36	36	125	80	63	50	125	63
3RU2126-4P..	30	36	3RT2027..	-	-	-	-	-	-	-	-	-
3RU2126-4P..	30	36	3RT2028..	36	-	-	125	50	50	25	125	50
3RU2126-4P.. ⁴⁾	30	36	3RT2035..	36	36	-	125	80	63	50	125	63
3RU2126-4P.. ⁴⁾	30	36	3RT2036..	36	36	-	125	80	63	50	125	63
3RU2126-4P.. ⁴⁾	30	36	3RT2037..	36	36	36	125	80	63	50	125	63
3RU2126-4F..	34	40	stand alone	40	40	40	125	80	63	50	125	80
3RU2126-4F..	34	40	3RT2028..	-	-	-	-	-	-	-	-	-
3RU2126-4F.. ⁴⁾	34	40	3RT2035..	40	40	-	125	80	63	50	125	63
3RU2126-4F.. ⁴⁾	34	40	3RT2036..	40	40	-	125	80	63	50	125	63
3RU2126-4F.. ⁴⁾	34	40	3RT2037..	40	40	40	125	80	63	50	125	80
3RU2136-4A..	11	16	stand alone	16	16	16	80	40	50	20	80	40
3RU2136-4A.. ⁴⁾	11	16	3RT2017..	-	-	-	-	-	-	-	-	-
3RU2136-4A.. ⁴⁾	11	16	3RT2018..	16	-	-	50	25	25	20	50	25
3RU2136-4A.. ⁴⁾	11	16	3RT2024..	-	-	-	-	-	-	-	-	-
3RU2136-4A.. ⁴⁾	11	16	3RT2025..	16	16	-	63	25	32	20	63	25
3RU2136-4A.. ⁴⁾	11	16	3RT2026..	16	16	-	80	35	50	20	80	35
3RU2136-4A.. ⁴⁾	11	16	3RT2027..	16	16	16	80	40	50	20	80	40
3RU2136-4A.. ⁴⁾	11	16	3RT2028..	16	16	16	80	40	50	20	80	40
3RU2136-4A..	11	16	3RT2035..	16	16	16	80	40	50	20	80	40
3RU2136-4B..	14	20	stand alone	20	20	20	125	50	100	25	125	50
3RU2136-4B.. ⁴⁾	14	20	3RT2025..	-	-	-	-	-	-	-	-	-
3RU2136-4B.. ⁴⁾	14	20	3RT2026..	20	-	-	100	35	50	20	100	35
3RU2136-4B.. ⁴⁾	14	20	3RT2027..	20	20	20	125	50	50	25	125	50
3RU2136-4B..	14	20	3RT2028..	20	20	20	125	50	50	25	125	50
3RU2136-4D..	18	25	stand alone	25	25	25	125	63	100	35	125	63

Thermal overload relay			Contactor class10				Fuse-links ¹⁾					
	Setting range [A]			AC-3 derating values for contactor [A]			gG [A]		aM [A]		British Standards BS88 ²⁾ [A]	
Article No.	lu	lo	Article No.	400V	500V	690V	Type of coordination ³⁾					
							1	2	1	2	1	2
3RU2136-4D.. ⁴⁾	18	25	3RT2025..	-	-	-	-	-	-	-	-	-
3RU2136-4D.. ⁴⁾	18	25	3RT2026..	25	-	-	100	35	50	20	100	35
3RU2136-4D.. ⁴⁾	18	25	3RT2027..	25	25	-	125	50	50	25	125	50
3RU2136-4D.. ⁴⁾	18	25	3RT2028..	25	25	-	125	50	50	25	125	50
3RU2136-4D..	18	25	3RT2035..	25	25	-	125	63	80	35	125	63
3RU2136-4D..	18	25	3RT2036..	25	25	-	125	63	80	35	125	63
3RU2136-4D..	18	25	3RT2037..	25	25	25	125	63	100	35	125	63
3RU2136-4E..	22	32	stand alone	32	32	32	125	80	100	50	125	80
3RU2136-4E.. ⁴⁾	22	32	3RT2026..	-	-	-	-	-	-	-	-	-
3RU2136-4E.. ⁴⁾	22	32	3RT2027..	32	32	-	125	50	50	25	125	50
3RU2136-4E.. ⁴⁾	22	32	3RT2028..	32	32	-	125	50	50	25	125	50
3RU2136-4E..	22	32	3RT2035..	32	32	-	125	80	80	50	125	63
3RU2136-4E..	22	32	3RT2036..	32	32	-	125	80	80	50	125	63
3RU2136-4E..	22	32	3RT2037..	32	32	32	125	80	100	50	125	80
3RU2136-4F..	28	40	stand alone	40	40	40	125	80	100	50	125	80
3RU2136-4F.. ⁴⁾	28	40	3RT2028..	-	-	-	-	-	-	-	-	-
3RU2136-4F..	28	40	3RT2035..	40	40	-	125	80	80	50	125	63
3RU2136-4F..	28	40	3RT2036..	40	40	-	125	80	80	50	125	63
3RU2136-4F..	28	40	3RT2037..	40	40	40	125	80	100	50	125	80
3RU2136-4G..	36	45	stand alone	45	45	45	125	100	100	63	125	100
3RU2136-4G..	36	45	3RT2035..	-	-	-	-	-	-	-	-	-
3RU2136-4G..	36	45	3RT2036..	45	45	-	125	80	80	50	125	63
3RU2136-4G..	36	45	3RT2037..	45	45	45	125	100	100	63	125	100
3RU2136-4H..	40	50	stand alone	50	50	50	125	100	100	80	125	100
3RU2136-4H..	40	50	3RT2035..	-	-	-	-	-	-	-	-	-
3RU2136-4H..	40	50	3RT2036..	50	50	-	125	80	80	50	125	63
3RU2136-4H..	40	50	3RT2037..	50	50	-	125	100	100	63	125	100
3RU2136-4H..	40	50	3RT2038..	50	50	50	125	100	100	80	125	100
3RU2136-4Q..	47	57	stand alone	57	57	57	200	100	160	80	200	100
3RU2136-4Q..	47	57	3RT2036..	-	-	-	-	-	-	-	-	-
3RU2136-4Q..	47	57	3RT2037..	57	57	-	200	100	160	63	200	100
3RU2136-4Q..	47	57	3RT2038..	57	57	57	200	100	160	80	200	100

Thermal overload relay			Contactor class10				Fuse-links ¹⁾					
	Setting range [A]			AC-3 derating values for contactor [A]			gG [A]		aM [A]		British Standards BS88 ²⁾ [A]	
Article No.	lu	lo	Article No.	400V	500V	690V	Type of coordination ³⁾					
							1	2	1	2	1	2
3RU2136-4J..	54	65	stand alone	65	65	65	250	125	224	100	250	125
3RU2136-4J..	54	65	3RT2036..	-	-	-	-	-	-	-	-	-
3RU2136-4J..	54	65	3RT2037..	65	65	-	250	125	160	63	200	100
3RU2136-4J..	54	65	3RT2038..	65	65	-	250	125	160	80	200	125
3RU2136-4J.. ⁴⁾	54	65	3RT2045..	65	65	-	250	125	160	80	200	125
3RU2136-4J.. ⁴⁾	54	65	3RT2046..	65	65	65	250	125	160	100	200	125
3RU2136-4K..	62	73	stand alone	73	73	73	250	160	224	125	250	160
3RU2136-4K..	62	73	3RT2037..	-	-	-	-	-	-	-	-	-
3RU2136-4K..	62	73	3RT2038..	73	73	-	250	160	160	80	200	125
3RU2136-4K.. ⁴⁾	62	73	3RT2045..	73	73	-	250	160	160	80	200	125
3RU2136-4K.. ⁴⁾	62	73	3RT2046..	73	73	73	250	160	160	100	200	125
3RU2136-4R..	70	80	stand alone	80	80	80	250	160	224	125	250	160
3RU2136-4R..	70	80	3RT2037..	-	-	-	-	-	-	-	-	-
3RU2136-4R..	70	80	3RT2038..	80	80	-	250	160	160	80	200	125
3RU2136-4R.. ⁴⁾	70	80	3RT2045..	80	80	-	250	160	160	80	200	125
3RU2136-4R.. ⁴⁾	70	80	3RT2046..	80	80	-	250	160	160	100	200	125
3RU2136-4R.. ⁴⁾	70	80	3RT2047..	80	80	80	250	160	160	100	200	160
3RU2146-4F..	28	40	stand alone	40	40	40	160	80	125	50	160	80
3RU2146-4F.. ⁴⁾	28	40	3RT2028..	-	-	-	-	-	-	-	-	-
3RU2146-4F.. ⁴⁾	28	40	3RT2035..	40	40	-	160	80	80	50	125	63
3RU2146-4F.. ⁴⁾	28	40	3RT2036..	40	40	-	160	80	80	50	125	63
3RU2146-4F.. ⁴⁾	28	40	3RT2037..	40	40	40	160	80	125	50	160	80
3RU2146-4F..	28	40	3RT2045..	40	40	40	160	80	125	50	160	80
3RU2146-4H..	36	50	stand alone	50	50	50	160	125	125	100	160	125
3RU2146-4H.. ⁴⁾	36	50	3RT2035..	-	-	-	-	-	-	-	-	-
3RU2146-4H.. ⁴⁾	36	50	3RT2036..	50	50	-	160	80	80	50	125	63
3RU2146-4H.. ⁴⁾	36	50	3RT2037..	50	50	-	160	125	125	63	160	100
3RU2146-4H..	36	50	3RT2045..	50	50	50	160	125	125	80	160	125
3RU2146-4J..	45	63	stand alone	63	63	63	200	125	160	100	200	125
3RU2146-4J.. ⁴⁾	45	63	3RT2036..	-	-	-	-	-	-	-	-	-
3RU2146-4J.. ⁴⁾	45	63	3RT2037..	63	63	-	200	125	160	63	200	100
3RU2146-4J..	45	63	3RT2045..	63	63	-	200	125	160	80	200	125

Thermal overload relay			Contactor class10				Fuse-links ¹⁾					
	Setting range [A]			AC-3 derating values for contactor [A]			gG [A]		aM [A]		British Standards BS88 ²⁾ [A]	
Article No.	lu	lo	Article No.	400V	500V	690V	Type of coordination ³⁾					
							1	2	1	2	1	2
3RU2146-4J..	45	63	3RT2046..	63	63	63	200	125	160	100	200	125
3RU2146-4K..	57	75	stand alone	75	75	75	250	160	224	125	250	160
3RU2146-4K.. ⁴⁾	57	75	3RT2037..	-	-	-	-	-	-	-	-	-
3RU2146-4K..	57	75	3RT2045..	75	75	-	250	160	160	80	200	125
3RU2146-4K..	57	75	3RT2046..	75	75	75	250	160	160	100	200	125
3RU2146-4L..	70	90	stand alone	90	90	90	250	160	224	125	250	160
3RU2146-4L..	70	90	3RT2045..	-	-	-	-	-	-	-	-	-
3RU2146-4L..	70	90	3RT2046..	90	90	-	250	160	160	100	200	125
3RU2146-4L..	70	90	3RT2047..	90	90	90	250	160	160	100	200	160
3RU2146-4M..	80	100	stand alone	100	100	100	250	200	224	160	250	200
3RU2146-4M..	80	100	3RT2046..	-	-	-	-	-	-	-	-	-
3RU2146-4M..	80	100	3RT2047..	100	100	-	250	200	160	100	200	160
3RU2146-4M.. ⁴⁾	80	100	3RT1054..	100	100	100	250 ⁵⁾	200 ⁵⁾	-	160 ⁵⁾	-	200 ⁵⁾

1) Please take account of the rated voltage

2) For BS88 fuses, fuse links are to be used according to table 2 (see page 38)

3) Assignment and short-circuit protective devices acc. to IEC 60947-4-1

4) The overload relay only for stand alone mounting available

5) Data for max. 50kA 690V valid

1.4 Short-circuit protection: 3RT, 3TF6 contactor + 3RB solid-state overload relay

Short-circuit protection with fuses for motor feeders with 3RB, contactor mounting and stand-alone assembly

Table 1- 4 Derating values for overload relay and contactor size S00 up to S12 and size 14

Overload relay	Overload relay Setting range	Contactor	CLASS								
			5E / 10E			20E			30E		
			AC-3 derating values [A]								
Article No.	[A]	Article No.	400 V	500 V	690 V	400 V	500 V	690 V	400 V	500 V	690 V
Size S00											
3RB3.1.-.R..	0.1 ... 0.4	Stand-alone assembly	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
		3RT2015	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
3RB3.1.-.N..	0.32 ... 1.25	Stand-alone assembly	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
		3RT2015	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
3RB3.1.-.P..	1 ... 4	Stand-alone assembly	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
		3RT2015	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
		3RT2016	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
		3RT2017	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3RB3.1.-.S..	3 ... 12	Stand-alone assembly	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
		3RT2015	7.0	6.0	4.9	7.0	6.0	4.9	7.0	6.0	4.9
		3RT2016	9.0	7.7	6.7	9.0	7.7	6.7	9.0	7.7	6.7
		3RT2017	12.0	9.2	6.7	10.0	9.2	6.7	9.0	9.0	6.7
3RB3.1.-.T..	4 ... 16	Stand-alone assembly	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
		3RT2017	12.0	9.2	6.7	10.0	9.2	6.7	9.0	9.0	6.7
		3RT2018	16.0	12.4	8.9	11.5	11.5	8.9	9.5	9.5	8.9
Size S0											
3RB3.2.-.R.	0.1 ... 0.4	Stand-alone assembly	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
		3RT2024	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
3RB3.2.-.N..	0.32 ... 1.25	Stand-alone assembly	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
		3RT2024	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
3RB3.2.-.P..	1 ... 4	Stand-alone assembly	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
		3RT2024	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3RB3.2.-.S..	3 ... 12	Stand-alone assembly	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0

Overload relay	Overload relay Setting range	Contactor		CLASS								
				5E / 10E			20E			30E		
				AC-3 derating values [A]								
Article No.	[A]	Article No.	400 V	500 V	690 V	400 V	500 V	690 V	400 V	500 V	690 V	
		3RT2024	12.0	12.0	9.0	12.0	12.0	9.0	12.0	12.0	9.0	
		3RT2025	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	
3RB3.2.-.Q..	6 ... 25	Stand-alone assembly	25.0	25.0	25.0	25.0	25.0	25.0	23.0	23.0	23.0	
		3RT2025	17.0	17.0	13.0	16.0	16.0	13.0	14.0	14.0	13.0	
		3RT2026	25.0	18.0	13.0	16.0	16.0	13.0	14.0	14.0	13.0	
		3RT2027	25.0	25.0	21.0	20.0	20.0	17.0	17.0	17.0	15.0	
		3RT2028	25.0	25.0	21.0	20.0	20.0	17.0	17.0	17.0	15.0	
3RB3.2.-.V..	10 ... 40	Stand-alone assembly	40.0	40.0	40.0	28.0	28.0	28.0	23.0	23.0	23.0	
		3RT2027	32.0	32.0	21.0	20.0	20.0	17.0	17.0	17.0	15.0	
		3RT2028	38.0	32.0	21.0	20.0	20.0	17.0	17.0	17.0	15.0	
Size S2												
3RB3.3.-.U..	12.5 ... 50	Stand-alone as- sembly	Through hole techno- logy	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
			Screw termi- nals	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
		3RT2035		40.0	40.0	24.0	40.0	40.0	24.0	36.0	36.0	24.0
		3RT2036		50.0	50.0	24.0	45.0	45.0	24.0	38.0	38.0	24.0
		3RT2037		50.0	50.0	47.0	48.0	48.0	47.0	42.0	42.0	42.0
		3RT2038		50.0	50.0	50.0	49.0	49.0	49.0	43.0	43.0	43.0
3RB3.3.-.W..	20 ... 80	Stand-alone as- sembly	Through hole techno- logy	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
			Screw termi- nals	80.0	80.0	80.0	60.0	60.0	60.0	50.0	50.0	50.0
		3RT2035		40.0	40.0	24.0	40.0	40.0	24.0	36.0	36.0	24.0
		3RT2036		50.0	50.0	24.0	45.0	45.0	24.0	39.0	39.0	24.0
		3RT2037		65.0	65.0	47.0	46.0	46.0	46.0	40.0	40.0	40.0
		3RT2038		80.0	80.0	58.0	48.0	48.0	48.0	42.0	42.0	42.0

Overload relay	Overload relay Setting range	Contactor		CLASS									
				5E / 10E			20E			30E			
				AC-3 derating values [A]									
Article No.	[A]	Article No.		400 V	500 V	690 V	400 V	500 V	690 V	400 V	500 V	690 V	
Size S3													
3RB3.4.-.U..	12.5 ... 50	Stand-alone as-sembly	Through hole techno-logy	50	50	50	50	50	50	50	50	50	50
			Screw termi-nals	50	50	50	50	50	50	50	50	50	50
		3RT2045		50	50	50	50	50	50	50	50	50	50
		3RT2046		50	50	50	50	50	50	50	50	50	50
		3RT2047		50	50	50	50	50	50	50	50	50	50
3RB3.4.-.X..	32 ... 115	Stand-alone as-sembly	Through hole techno-logy	115	115	115	100	100	100	100	100	100	100
			Screw termi-nals	115	115	115	100	100	100	100	100	100	100
		3RT2045		80	80	58	63	63	58	54	54	54	54
		3RT2046		95	95	78	65	65	65	56	56	56	56
		3RT2047		110	110	95	67	67	67	58	58	58	58
Size S6													
3RB2.5.-.F..	50 ... 200	Stand-alone as-sembly	Through hole techno-logy	200	200	200	200	200	200	200	200	200	200
			Screw termi-nals	200	200	200	200	200	200	200	200	200	200
		3RT1054		115	115	115	81.7	81.7	81.7	69	69	69	69
		3RT1055		150	150	150	107	107	107	90	90	90	90
		3RT1056		185	185	170	131	131	131	111	111	111	111

Overload relay	Overload relay Setting range	Contactor		CLASS									
				5E / 10E			20E			30E			
				AC-3 derating values [A]									
Article No.	[A]	Article No.		400 V	500 V	690 V	400 V	500 V	690 V	400 V	500 V	690 V	
Size S10													
3RB2.6.-.G..	55 ... 250	Stand-alone as- sembly	Screw termi- nals	250	250	250	250	250	250	250	250	250	250
				3RT1064		225	225	225	160	160	160	135	135
		3RT1264		225	225	225	225	225	225	173	173	173	
		3RT1065		250	250	250	188	188	188	159	159	159	
		3RT1265		250	250	250	250	250	250	204	204	204	
		3RT1066		250	250	250	213	213	213	180	180	180	
		3RT1266		250	250	250	250	250	250	231	231	231	
Size S12													
3RB2.6.-.M..	160 ... 630	Stand-alone as- sembly	Screw termi- nals	630	630	630	630	630	630	630	630	630	630
				3RT1064		225	225	225	160	160	160	–	–
		3RT1264		225	225	225	225	225	225	173	173	173	
		3RT1065		265	265	265	188	188	188	–	–	–	
		3RT1265		265	265	265	265	265	265	204	204	204	
		3RT1066		300	300	280	213	213	213	180	180	180	
		3RT1266		300	300	300	300	300	300	231	231	231	
		3RT1075		400	400	400	284	284	284	240	240	240	
		3RT1275		400	400	400	400	400	400	316	316	316	
		3RT1076		500	500	450	355	355	355	300	300	300	
		3RT1276		500	500	500	500	500	500	385	385	385	
		3TF68 ¹⁾		630	630	630	440	440	440	376	376	376	
		3TF69 ¹⁾		630	630	630	572	572	572	500	500	500	
Size 14													
3RB3.1.-.N..	0.32 ... 1.25 ²⁾	3TF69 ¹⁾		820	820	820	572	572	572	500	500	500	

1) Contactor cannot be mounted.

2) With 3UF1868-3GA00 current transformer.

Size S6 - S12

For the 3RB20/21 solid-state overload relays with sizes S6, S10 und S12, the upper set value of setting range must be reduced for ambient temperatures > 50 °C by a certain factor.

Article No.	Setting range	Derating factor for the upper set value for stand-alone installation at ambient temperature	
		+50°C	+60°C
3RB2056/3RB2153	50-200A	100%	100%
3RB20 66-1G 3RB20 66-2G 3RB21 63-4G	55-250A	100%	100%
3RB20 66-1M 3RB20 66-2M 3RB21 63-4M	160-630A	100%	90%
Article No.	Setting range	Derating factor for the upper set value for mounting onto contactor at ambient temperature	
		+50°C	+60°C
3RB2056/3RB2153	50-200A	100%	70%
3RB20 66-1G 3RB20 66-2G 3RB21 63-4G	55-250A	100%	70%
3RB20 66-1M 3RB20 66-2M 3RB21 63-4M	160-630A	100%	70%

Fuse links for protection according to IEC 60947-4-1

Short-circuit protection up to 690 V / 100 kA

Type of coordination 1 and 2

Table 1- 5 Fuse links for overload relay and contactor size S00 up to S12 and size 14

Overload relay	Overload relay Setting range	Contactor	Fuse links ¹⁾					
			Acc. to IEC 60947-4-1 ³⁾					
			Operating class gG (690 V / 100 kA) [A]		Operating class aM (690 V / 100 kA) (≥ S6 690V/50kA) [A]		British Standards BS88 ³⁾ (415 V / 80 kA) (≥ S6 415V/50kA) [A]	
			NH type 3NA DIAZED type 5SB NEOZED type 5SE		NH type 3ND			
			Type of coordination ²⁾					
Article No.	[A]	Article No.	1	2	1	2	1	2
Size S00								
3RB3.1-.R..	0.1 ... 0.4	Stand-alone assembly	35	4	20	4	35	4
		3RT2015	35	4	20	4	35	4
3RB3.1-.N..	0.32 ... 1.25	Stand-alone assembly	35	6	20	6	35	6
		3RT2015	35	6	20	6	35	6
3RB3.1-.P..	1 ... 4	Stand-alone assembly	35	20	20	16	35	20
		3RT2015	35	20	20	16	35	20
		3RT2016	35	20	20	16	35	20
		3RT2017	35	20	20	16	35	20
3RB3.1-.S..	3 ... 12	Stand-alone assembly	50	50	20	16	35	20
		3RT2015	35	20	20	16	35	20
		3RT2016	35	20	20	16	35	20
		3RT2017	50	25	20	16	35	20
3RB3.1-.T..	4 ... 16	Stand-alone assembly	50	50	25	20	50	25
		3RT2017	50	25	20	16	35	20
		3RT2018	50	25	25	20	50	25
Size S0								
3RB3.2-.R..	0.1 ... 0.4	Stand-alone assembly	35	4	32	4	63	4
		3RT2024	35	4	32	4	63	4
3RB3.2-.N..	0.32 ... 1.25	Stand-alone assembly	35	6	32	6	63	6
		3RT2024	35	6	32	6	63	6
3RB3.2-.P..	1 ... 4	Stand-alone assembly	35	20	32	20	63	25
		3RT2024	35	20	32	20	63	25
3RB3.2-.S..	3 ... 12	Stand-alone assembly	63	50	32	20	63	25
		3RT2024	63	25	32	20	63	25
		3RT2025	63	25	32	20	63	25
3RB3.2-.Q..	6 ... 25	Stand-alone assembly	125	63	50	25	63	50
		3RT2025	63	25	32	20	63	25
		3RT2026	100	35	50	20	63	35

Overload relay	Overload relay Setting range	Contactor		Fuse links ¹⁾					
				Acc. to IEC 60947-4-1 ³⁾					
				Operating class gG (690 V / 100 kA) [A]		Operating class aM (690 V / 100 kA) (≥ S6 690V/50kA) [A]		British Standards BS88 ³⁾ (415 V / 80 kA) (≥ S6 415V/50kA) [A]	
				NH type 3NA DIAZED type 5SB NEOZED type 5SE		NH type 3ND			
				Type of coordination ²⁾					
Article No.	[A]	Article No.		1	2	1	2	1	2
		3RT2027		125	50	50	25	63	50
		3RT2028		125	50	50	25	63	50
3RB3.2-.V..	10 ... 40	Stand-alone assembly		125	80	50	25	125	50
		3RT2027		125	50	50	25	125	50
		3RT2028		125	50	50	25	125	50
Size S2									
3RB3.3-.U..	12.5 ... 50	Stand-alone assembly	Through hole technology	250	200	160	80	200	125
			Screw terminals	250	200	160	80	200	125
		3RT2035		160	80	80	50	125	63
		3RT2036		160	80	80	50	125	63
		3RT2037		250	125	160	63	200	100
		3RT2038		250	160	160	80	200	125
		3RB3.3-.W..	20 ... 80	Stand-alone assembly	Through hole technology	250	250	160	80
Screw terminals	250				250	160	80	200	125
3RT2035				160	80	80	50	125	63
3RT2036				160	80	80	50	125	63
3RT2037				250	125	160	63	200	100
3RT2038				250	160	160	80	200	125
Size S3									
3RB3.4-.U..	12.5 ... 50	Stand-alone assembly	Through hole technology	200	200	160	100	200	160
			Screw terminals	200	200	160	100	200	160
		3RT2045		200	160	160	80	200	125
		3RT2046		200	160	160	100	200	125
		3RT2047		200	200	160	100	200	160
3RB3.4-.X..	32 ... 115	Stand-alone assembly	Through hole technology	315	315	160	100	200	160

Overload relay	Overload relay Setting range	Contactor		Fuse links ¹⁾					
				Acc. to IEC 60947-4-1 ³⁾					
				Operating class gG (690 V / 100 kA) [A]		Operating class aM (690 V / 100 kA) (≥ S6 690V/50kA) [A]		British Standards BS88 ³⁾ (415 V / 80 kA) (≥ S6 415V/50kA) [A]	
				NH type 3NA DIAZED type 5SB NEOZED type 5SE		NH type 3ND			
				Type of coordination ²⁾					
Article No.	[A]	Article No.		1	2	1	2	1	2
			Screw terminals	315	315	160	100	200	160
		3RT2045		250	160	160	80	200	125
		3RT2046		250	160	160	100	200	125
		3RT2047		250	200	160	100	200	160
Size S6									
3RB2.5- F..	50 ... 200	Stand-alone assembly	Through hole technology	355	315	–	200	–	315
			Screw terminals	355	315	–	200	–	315
		3RT1054		315	315	–	160	–	250
		3RT1055		315	315	–	200	–	315
		3RT1056		315	315	–	200	–	315
Size S10									
3RB2.6- G..	55 ... 250	Stand-alone assembly	Screw terminals	500	500	–	400	–	450
			3RT1064		400	400	–	250	–
		3RT1264		500	500	–	400	–	450
		3RT1065		400	400	–	315	–	400
		3RT1265		500	500	–	400	–	450
		3RT1066		400	400	–	315	–	400
		3RT1266		500	500	–	400	–	450
Size S12									
3RB2.6- M..	160 ... 630	Stand-alone assembly	Screw terminals	800	630	–	630	–	630
			3RT1064		400	400	–	250	–
		3RT1264		500	500	–	400	–	450
		3RT1065		400	400	–	315	–	400
		3RT1265		500	500	–	400	–	450
		3RT1066		400	400	–	315	–	400
		3RT1266		500	500	–	400	–	450
3RT1075		500	500	–	400	–	450		

Overload relay	Overload relay Setting range	Contactor	Fuse links ¹⁾					
			Acc. to IEC 60947-4-1 ³⁾					
			Operating class gG (690 V / 100 kA) [A]		Operating class aM (690 V / 100 kA) (≥ S6 690V/50kA) [A]		British Standards BS88 ³⁾ (415 V / 80 kA) (≥ S6 415V/50kA) [A]	
			NH type 3NA DIAZED type 5SB NEOZED type 5SE		NH type 3ND			
			Type of coordination ²⁾					
Article No.	[A]	Article No.	1	2	1	2	1	2
		3RT1275	800	500	–	630	–	800
		3RT1076	500	500	–	500	–	500
		3RT1276	800	500	–	630	–	800
		3TF68 ⁴⁾	500	500 ⁶⁾	–	630	–	500
		3TF69 ⁴⁾	630 ⁶⁾	500	–	630	–	630
Size 14								
3RB3.1.- .N..	0.32 ... 1.25 ⁵⁾	3TF69 ⁴⁾	630 ⁶⁾	500	-	630	–	630

1) Take account of the rated voltage

2) Assignment and short-circuit protective devices acc. to IEC 60947-4-1

3) For BS88 fuses, fuse links are to be used according to table 2 (see page 38)

4) Contactor cannot be mounted.

5) With 3UF1868-3GA00 current transformer.

6) Please ensure that the maximum AC-3 operational current has sufficient safety clearance from the rated current of the fuses.

1.5 Short-circuit protection: 3RT, 3TF6 contactor + 3RB22, 3RB23, 3RB24 electronic overload relay and 3UF7

Short-circuit protection with fuses for motor feeders with 3UF70 and 3RB22/23/24 contactor mounting and stand-alone installation

Table 1- 6 Derating values CLASS 5 / 10, 15 and 20

Overload relay	Overload relay Setting range	Contactor	CLASS								
			5 / 10			15 (3UF7 only)			20		
			AC-3 derating values [A]								
Article No.	[A]	Article No.	400 V	500 V	690 V	400 V	500 V	690 V	400 V	500 V	690 V
Size S00											
3UF7100-1AA00-0/ 3UF7110-	0.3 ... 3.0	Stand-alone assembly	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
		3RT2015	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

Overload relay	Overload relay Setting range	Contactor	CLASS								
			5 / 10			15 (3UF7 only)			20		
			AC-3 derating values [A]								
Article No.	[A]	Article No.	400 V	500 V	690 V	400 V	500 V	690 V	400 V	500 V	690 V
1AA00-0/ 3RB2906-2BG1		3RT2016	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
		3RT2017	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
		3RT2018	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
3UF7101-1AA00-0/ 3UF7111-1AA00-0/ 3RB2906-2DG1	2.4 ... 25	Stand-alone assembly	25	25	25	25	25	25	25	25	25
		3RT2015	7.0	6.0	4.9	7.0	6.0	4.9	7.0	6.0	4.9
		3RT2016	9.0	7.7	6.7	9.0	7.7	6.7	9.0	7.7	6.7
		3RT2017	12.0	9.2	6.7	10.7	9.2	6.7	10.0	9.2	6.7
		3RT2018	16.0	12.4	8.9	13.0	12.4	8.9	11.5	11.5	8.9
Size S0											
3UF7101-1AA00-0/ 3UF7111-1AA00-0/ 3RB2906-2DG1	2.4 ... 25	Stand-alone assembly	25	25	25	25	25	25	25	25	25
		3RT2023	9.0	7.6	6.7	9.0	7.6	6.7	9.0	7.6	6.7
		3RT2024	12.0	12.0	9.0	12.0	12.0	9.0	12.0	12.0	9.0
		3RT2025	17.0	17.0	13.0	17.0	17.0	13.0	16.0	16.0	13.0
		3RT2026	25.0	18.0	13.0	18.0	18.0	13.0	16.0	16.0	13.0
		3RT2027	25.0	25.0	21.0	23.0	20.0	20.0	20.0	20.0	17.0
		3RT2028	25.0	25.0	21.0	23.0	20.0	20.0	20.0	20.0	17.0
3UF7102-1AA00-0/ 3UF7112-1AA00-0/ 3RB2906-2JG1	10 ... 100	Stand-alone assembly	100	100	100	100	100	100	100	100	100
		3RT2024	12.0	12.0	–	12.0	12.0	–	12.0	12.0	–
		3RT2025	17.0	17.0	13.0	17.0	17.0	13.0	16.0	16.0	13.0
		3RT2026	25.0	18.0	13.0	18.0	18.0	13.0	16.0	16.0	13.0
		3RT2027	32.0	32.0	21.0	23.0	20.0	20.0	20.0	20.0	17.0
		3RT2028	38.0	32.0	21.0	23.0	20.0	20.0	20.0	20.0	17.0

Overload relay	Overload relay Setting range	Contactor	CLASS								
			5 / 10			15 (3UF7 only)			20		
			AC-3 derating values [A]								
Article No.	[A]	Article No.	400 V	500 V	690 V	400 V	500 V	690 V	400 V	500 V	690 V
Size S2											
3UF7102-1AA00-0/ 3UF7112-1AA00-0/ 3RB2906-2JG1	10 ... 100	Stand-alone assembly	100	100	100	100	100	100	100	100	100
		3RT2035	40.0	40.0	24.0	40.0	40.0	24.0	40.0	40.0	24.0
		3RT2036	50.0	50.0	24.0	49.0	49.0	24.0	45.0	45.0	24.0
		3RT2037	65.0	65.0	47.0	50.0	50.0	47.0	46.0	46.0	46.0
		3RT2038	80.0	80.0	58.0	57.0	57.0	57.0	48.0	48.0	48.0
Size S3											
3UF7102-1AA00-0/ 3UF7112-1AA00-0/ 3RB2906-2JG1	10 ... 100	Stand-alone assembly	100	100	100	100	100	100	100	100	100
		3RT2045	80	80	58	70	70	58	63	63	58
		3RT2046	95	95	78	74	74	78	65	65	65
		3RT2047	110	110	98	76	76	98	67	67	67
3UF7103-1.A00-0/ 3UF7113-1.A00-0/ 3RB2956-2T.2	20 ... 200	Stand-alone assembly	200	200	200	200	200	200	200	200	200
		3RT1054	115	115	115	93.2	93.2	93.2	81.7	81.7	81.7
Size S6											
3UF7103-1.A00-0/ 3UF7113-1.A00-0/ 3RB2956-2T.2	20 ... 200	Stand-alone assembly	200	200	200	200	200	200	200	200	200
		3RT1054	115	115	115	93.2	93.2	93.2	81.7	81.7	81.7
		3RT1055	150	150	150	122	122	122	107	107	107
		3RT1056	185	185	170	150	150	150	131	131	131
Size S10/S12											
3UF7104-1BA00-0/ 3UF7113-1AA00-0/ 3RB2966-2WH2	63 ... 630	Stand-alone assembly	630	630	630	630	630	630	630	630	630
		3RT1064	225	225	225	182	182	182	160	160	160
		3RT1264	225	225	225	225	225	225	225	225	225
		3RT1065	265	265	265	215	215	215	188	188	188
		3RT1265	265	265	265	265	265	265	265	265	265
		3RT1066	300	300	280	243	243	243	213	213	213
		3RT1266	300	300	300	300	300	300	300	300	300
		3RT1075	400	400	400	324	324	324	284	284	284
		3RT1275	400	400	400	400	400	400	400	400	400
		3RT1076	500	500	450	405	405	405	355	355	355
		3RT1276	500	500	500	500	500	500	500	500	500
		3TF68 ¹⁾	630	630	630	502	502	502	440	440	440
		3TF69 ¹⁾	630	630	630	630	630	630	572	572	572

Overload relay	Overload relay Setting range	Contactor	CLASS								
			5 / 10			15 (3UF7 only)			20		
			AC-3 derating values [A]								
Article No.	[A]	Article No.	400 V	500 V	690 V	400 V	500 V	690 V	400 V	500 V	690 V
Size 14											
3UF7100-1AA00-0/ 3UF7110-1AA00-0/ 3RB2906-2BG1	0.3 ... 3.0 ²)	3TF69 ¹⁾	820	820	820	662	662	662	572	572	572

⁴⁾ Contactor cannot be mounted.

⁵⁾ With 3UF1868-3GA00 current transformer.

Table 1- 7 Derating values CLASS 25, 30 and 35

Overload relay	Overload relay Setting range	Contactor	CLASS								
			25 (3UF7 only)			30			35 (3UF7 only)		
			AC-3 derating values [A]								
Article No.	[A]	Article No.	400 V	500 V	690 V	400 V	500 V	690 V	400 V	500 V	690 V
Size S00											
3UF7100-1AA00-0/ 3UF7110-1AA00-0/ 3RB2906-2BG1	0.3 ... 3.0	Stand-alone assembly	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
		3RT2015	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
		3RT2016	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
		3RT2017	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
		3RT2018	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
3UF7101-1AA00-0/ 3UF7111-1AA00-0/ 3RB2906-2DG1	2.4 ... 25	Stand-alone assembly	25	25	25	25	25	25	25	25	25
		3RT2015	7.0	6.0	4.9	7.0	6.0	4.9	7.0	6.0	4.9
		3RT2016	9.0	7.7	6.7	9.0	7.7	6.7	8.5	7.7	6.7
		3RT2017	9.5	9.2	6.7	9.0	9.0	6.7	8.5	8.5	6.7
		3RT2018	10.3	10.3	8.9	9.5	9.5	8.9	8.8	8.8	8.8
Size S0											
3UF7101-1AA00-0/ 3UF7111-1AA00-0/ 3RB2906-2DG1	2.4 ... 25	Stand-alone assembly	25	25	25	25	25	25	25	25	25
		3RT2023	9.0	7.6	6.7	9.0	7.6	6.7	9.0	7.6	6.7
		3RT2024	12.0	12.0	9.0	12.0	12.0	9.0	12.0	12.0	9.0
		3RT2025	14.8	14.8	13.0	14.0	14.0	13.0	13.4	13.4	13.0
		3RT2026	14.8	14.8	13.0	14.0	14.0	13.0	13.4	13.4	13.0
		3RT2027	18.0	18.0	15.0	17.0	17.0	15.0	16.0	16.0	15.0
		3RT2028	18.0	18.0	15.0	17.0	17.0	15.0	16.0	16.0	15.0
3UF7102-1AA00-0/ 3UF7112-1AA00-0/ 3RB2906-2JG1	10 ... 100	Stand-alone assembly	100	100	100	100	100	100	100	100	100
		3RT2024	12.0	12.0	9	12.0	12.0	9	12.0	12.0	9
		3RT2025	14.8	14.8	13.0	14.0	14.0	13.0	13.4	13.4	13.0
		3RT2026	14.8	14.8	13.0	14.0	14.0	13.0	13.4	13.4	13.0
		3RT2027	18.0	18.0	15.0	17.0	17.0	15.0	16.0	16.0	15.0
		3RT2028	18.0	18.0	15.0	17.0	17.0	15.0	16.0	16.0	15.0
Size S2											
3UF7102-1AA00-0/ 3UF7112-1AA00-0/ 3RB2906-2JG1	10 ... 100	Stand-alone assembly	100	100	100	100	100	100	100	100	100
		3RT2035	38.0	38.0	24.0	36.0	36.0	24.0	35.0	35.0	24.0
		3RT2036	41.0	41.0	24.0	39.0	39.0	24.0	38.0	38.0	24.0
		3RT2037	42.0	42.0	42.0	40.0	40.0	40.0	39.0	39.0	39.0
		3RT2038	43.0	43.0	43.0	42.0	42.0	42.0	40.0	40.0	40.0
Size S3											
3UF7102-1AA00-0/	10 ... 100	Stand-alone assembly	100	100	100	100	100	100	100	100	100

Overload relay	Overload relay Setting range	Contactor	CLASS								
			25 (3UF7 only)			30			35 (3UF7 only)		
			AC-3 derating values [A]								
Article No.	[A]	Article No.	400 V	500 V	690 V	400 V	500 V	690 V	400 V	500 V	690 V
3UF7112-1AA00-0/ 3RB2906-2JG1		3RT2045	57	57	57	54	54	54	52	52	52
		3RT2046	59	59	59	56	56	56	54	54	54
		3RT2047	61	61	61	58	58	58	55	55	55
3UF7103-1.A00-0/ 3UF7113-1.A00-0/ 3RB2956-2T.2	20 ... 200	Stand-alone assembly	200	200	200	200	200	200	200	200	200
		3RT1054	74.8	74.8	74.8	69	69	69	64.0	64.0	64.0
Size S6											
3UF7103-1.A00-0/ 3UF7113-1.A00-0/ 3RB2956-2T.2	20 ... 200	Stand-alone assembly	200	200	200	200	200	200	200	200	200
		3RT1054	74.8	74.8	74.8	69	69	69	64.0	64.0	64.0
		3RT1055	98	98	98	90	90	90	82	82	82
		3RT1056	120	120	120	111	111	111	102	102	102
Size S10/S12											
3UF7104-1BA00-0/ 3UF7113-1AA00-0/ 3RB2966-2WH2	63 ... 630	Stand-alone assembly	630	630	630	630	630	630	630	630	630
		3RT1064	146	146	146	135	135	135	126	126	126
		3RT1264	194	194	194	173	173	173	152	152	152
		3RT1065	172	172	172	159	159	159	146	146	146
		3RT1265	228	228	228	204	204	204	180	180	180
		3RT1066	195	195	195	180	180	180	165	165	165
		3RT1266	258	258	258	231	231	231	204	204	204
		3RT1075	260	260	260	240	240	240	220	220	220
		3RT1275	344	344	344	316	316	316	270	270	270
		3RT1076	325	325	325	300	300	300	275	275	275
		3RT1276	430	430	430	385	385	385	340	340	340
		3TF68 ¹⁾	408	408	408	376	376	376	344	344	344
3TF69 ¹⁾	531	531	531	500	500	500	469	469	469		
Size 14											
3UF7100-1AA00-0/ 3UF7110-1AA00-0/ 3RB2906-2BG1	0.3 ... 3.0 ²⁾	3TF69 ¹⁾	531	531	531	500	500	500	469	469	469

¹⁾ Contactor cannot be mounted.
²⁾ With 3UF1868-3GA00 current transformer.

¹⁾ Contactor cannot be mounted.

²⁾ With 3UF1868-3GA00 current transformer.

Table 1- 8 Derating values CLASS 40

Overload relay	Overload relay Setting range	Contactor	CLASS		
			40 (3UF7 only)		
			AC-3 derating values [A]		
Article No.	[A]	Article No.	400 V	500 V	690 V
Size S00					
3UF7100-1AA00-0/ 3UF7110-1AA00-0	0.3 ... 3.0	Stand-alone assembly	3.0	3.0	3.0
		3RT2015	3.0	3.0	3.0
		3RT2016	3.0	3.0	3.0
		3RT2017	3.0	3.0	3.0
		3RT2018	3.0	3.0	3.0
3UF7101-1AA00-0/ 3UF7111-1AA00-0	2.4 ... 25	Stand-alone assembly	25	25	25
		3RT2015	7.0	6.0	4.9
		3RT2016	8.0	7.7	6.7
		3RT2017	8.0	8.0	6.7
		3RT2018	8.3	8.3	8.3
Size S0					
3UF7101-1AA00-0/ 3UF7111-1AA00-0	2.4 ... 25	Stand-alone assembly	25	25	25
		3RT2023	9.0	7.6	6.7
		3RT2024	12.0	12.0	9.0
		3RT2025	13.0	13.0	13.0
		3RT2026	13.0	13.0	13.0
		3RT2027	15.0	15.0	15.0
		3RT2028	15.0	15.0	15.0
3UF7102-1AA00-0/ 3UF7112-1AA00-0	10 ... 100	Stand-alone assembly	100	100	100
		3RT2024	12.0	12.0	9
		3RT2025	13.0	13.0	13.0
		3RT2026	13.0	13.0	13.0
		3RT2027	15.0	15.0	15.0
		3RT2028	15.0	15.0	15.0
Size S2					
3UF7102-1AA00-0/ 3UF7112-1AA00-0	10 ... 100	Stand-alone assembly	100	100	100
		3RT2035	33.0	33.0	24.0
		3RT2036	35.0	35.0	24.0
		3RT2037	37.0	37.0	37.0
		3RT2038	38.0	38.0	38.0
Size S3					
3UF7102-1AA00-0/ 3UF7112-1AA00-0/ 3RB2906-2JG1	10 ... 100	Stand-alone assembly	100	100	100
		3RT2045	50	50	50
		3RT2046	52	52	52
		3RT2047	53	53	53

Overload relay	Overload relay Setting range	Contactor	CLASS		
			40 (3UF7 only)		
			AC-3 derating values [A]		
Article No.	[A]	Article No.	400 V	500 V	690 V
3UF7103-1.A00-0/ 3UF7113-1.A00-0/ 3RB2956-2T.2	20 ... 200	Stand-alone assembly	200	200	200
		3RT1054	57	57	57
Size S6					
3UF7103-1.A00-0/ 3UF7113-1.A00-0/ 3RB2956-2T.2	20 ... 200	Stand-alone assembly	200	200	200
		3RT1054	57	57	57
		3RT1055	74	74	74
		3RT1056	93	93	93
Size S10/S12					
3UF7104-1BA00-0/ 3UF7113-1AA00-0/ 3RB2966-2WH2	63 ... 630	Stand-alone assembly	630	630	630
		3RT1064	111	111	111
		3RT1264	131	131	131
		3RT1065	133	133	133
		3RT1265	156	156	156
		3RT1066	150	150	150
		3RT1266	177	177	177
		3RT1075	200	200	200
		3RT1275	233	233	233
		3RT1076	250	250	250
		3RT1276	316	316	316
		3TF68 ¹⁾	317	317	317
		3TF69 ¹⁾	438	438	438
Size 14					
3UF7100-1AA00-0/ 3UF7110-1AA00-0/ 3RB2906-2BG1	0.3 ... 3.0 ²⁾	3TF69 ¹⁾	438	438	438

¹⁾ Contactor cannot be mounted.

²⁾ With 3UF1868-3GA00 current transformer.

Fuse links for protection according to IEC 60947-4-1
Short-circuit protection up to 690 V / 100 kA, type of coordination 1 and 2

Table 1- 9 Fuse links for overload relay and contactor size S00, S0 and S2

Overload relay	Overload relay Setting range	Contactor	Fuse links ¹⁾					
			Acc. to IEC 60947-4-1					
			Operating class gG ³⁾ (690 V / 100 kA) [A]	Operating class aM (690 V / 100 kA) ≥ S6 690V/50kA) [A]	British Standards BS88 ⁴⁾ (415 V / 80 kA) ≥ S6 415V/50kA) [A]			
					Type of coordination ²⁾			
Article No.	[A]	Article No.	1	2	1	2	1	2
Size S00								
3UF7100-1AA00-0/ 3UF7110-1AA00-0/ 3RB2906-2BG1	0.3 ... 3.0	Stand-alone assembly	35	35	20	16	35	20
		3RT2015	35	20	20	16	35	20
		3RT2016	35	20	20	16	35	20
		3RT2017	35	20	20	16	35	20
		3RT2018	35	20	20	16	35	20
3UF7101-1AA00-0/ 3UF7111-1AA00-0/ 3RB2906-2DG1	2.4 ... 25	3RT2015	35	20	20	16	35	20
		3RT2016	35	20	20	16	35	20
		3RT2017	50	25	20	16	35	20
		3RT2018	50	25	25	20	50	25
Size S0								
3UF7101-1AA00-0/ 3UF7111-1AA00-0/ 3RB2906-2DG1	2.4 ... 25	Stand-alone assembly	160	160	50	25	125	50
		3RT2023	63	25	32	20	63	25
		3RT2024	63	25	32	20	63	25
		3RT2025	63	25	32	20	63	25
		3RT2026	100	35	50	20	100	35
		3RT2027	125	50	50	25	125	50
		3RT2028	125	50	50	25	125	50
3UF7102-1AA00-0/ 3UF7112-1AA00-0/ 3RB2906-2JG1	10 ... 100	3RT2024	63	25	32	20	63	25
		3RT2025	63	25	32	20	63	25
		3RT2026	100	35	50	20	100	35
		3RT2027	125	50	50	25	125	50
		3RT2028	125	50	50	25	125	50

Overload relay	Overload relay Setting range	Contactor	Fuse links ¹⁾					
			Acc. to IEC 60947-4-1					
			Operating class gG ³⁾ (690 V / 100 kA) [A]	Operating class aM (690 V / 100 kA) (≥ S6 690V/50kA) [A]	British Standards BS88 ⁴⁾ (415 V / 80 kA) (≥ S6 415V/50kA) [A]			
					Type of coordination ²⁾			
Article No.	[A]	Article No.	1	2	1	2	1	2
Size S2								
3UF7102-1AA00-0/ 3UF7112-1AA00-0/ 3RB2906-2JG1	10 ... 100	3RT2035	160	80	80	50	125	63
		3RT2036	160	80	80	50	125	63
		3RT2037	250	125	160	63	200	100
		3RT2038	250	125	160	80	200	125
Size S3								
3UF7102-1AA00-0/ 3UF7112-1AA00-0/ 3RB2906-2JG1	10 ... 100	Stand-alone assembly	315	315	160	100	200	160
		3RT2045	250	160	160	80	200	125
		3RT2046	250	160	160	100	200	125
		3RT2047	250	200	160	100	200	160
3UF7103-1.A00-0/ 3UF7113-1.A00-0/ 3RB2956-2T.2	20 ... 200	3RT1054	355	315	-	160	-	250
Size S6								
3UF7103-1.A00-0/ 3UF7113-1.A00-0/ 3RB2956-2T.2	20 ... 200	Stand-alone assembly	400	400	–	200	–	315
		3RT1054	355	315	–	160	–	250
		3RT1055	355	315	–	200	–	315
		3RT1056	355	315	–	200	–	315
Size S10/S12								
3UF7104-1BA00-0/ 3UF7113-1AA00-0/ 3RB2966-2WH2	63 ... 630	Stand-alone assembly	800	800	–	630	–	630
		3RT1064	500	400	–	250	–	400
		3RT1264	500	500	–	400	–	450
		3RT1065	500	400	–	315	–	400
		3RT1265	500	500	–	400	–	450
		3RT1066	500	400	–	315	–	400
		3RT1266	500	500	–	400	–	450
		3RT1075	630	500	–	400	–	450
		3RT1275	800	800	–	630	–	800
		3RT1076	630	500	–	500	–	500
		3RT1276	800	800	–	630	–	800
		3TF68 ⁵⁾	800	500	–	630	–	500
		3TF69 ⁵⁾	800	630	–	630	–	630

Overload relay	Overload relay Setting range	Contactor	Fuse links ¹⁾					
			Acc. to IEC 60947-4-1					
			Operating class gG ³⁾ (690 V / 100 kA) [A]		Operating class aM (690 V / 100 kA) ≥ S6 690V/50kA) [A]		British Standards BS88 ⁴⁾ (415 V / 80 kA) ≥ S6 415V/50kA) [A]	
Article No.	[A]	Article No.	1	2	1	2	1	2
Size 14								
3UF7100-1AA00-0/ 3UF7110-1AA00-0/ 3RB2906-2BG1	0.3 ... 3.0 ⁶⁾	3TF69 ⁵⁾	630	500	–	630	–	630

¹⁾ Take account of the rated voltage

²⁾ Assignment and short-circuit protective devices acc. to IEC 60947-4-1

³⁾ NH type 3NA, DIAZED type 5SB, NEOZED type 5SE, operating class gG

⁴⁾ For BS88 fuses, fuse links are to be used according to table 2 (see page 38)

⁵⁾ Contactor cannot be mounted.

⁶⁾ With 3UF1868-3GA00 current transformer.

1.6 Short-circuit protection: 3RT2 contactor + 3RR2 monitoring relay, type of coordination 1 and 2

Short-circuit protection with fuses for motor feeders with 3RR2, contactor mounting and stand-alone assembly

Fuse links for protection according to IEC 60947-4-1
Short-circuit protection up to 690 V / 100 kA, operating class gG
Type of coordination 1 and 2

Table 1- 10 Fuse links for monitoring relay and contactor size S00, S0, and S2

Monitoring relay	Overload relay Setting range	Contactor	Fuse links ¹⁾ [A]	
			Acc. to IEC 60947-4-1 ³⁾	
			Type of coordination ²⁾	
Article No.	[A]	Article No.	1	2
Size S00				
3RR2.41	1.6 ... 16	Stand-alone assembly	50	50
		3RT2015	35	20
		3RT2016	35	20
		3RT2017	50	25
		3RT2018	50	25
Size S0				
3RR2.42	4 ... 40	Stand-alone assembly	125	80
		3RT2024	63	25
		3RT2025	63	25
		3RT2026	100	35
		3RT2027	125	50
		3RT2028	125	50
Size S2				
3RR2.43	8 ... 80	Stand-alone assembly	250	250
		3RT2035	160	80
		3RT2036	160	80
		3RT2037	250	125
		3RT2038	250	160

1) Take account of the rated voltage

2) Assignment and short-circuit protective devices acc. to IEC 60947-4-1

3) NH type 3NA, DIAZED type 5SB, NEOZED type 5SE, operating class gG

1.7 Short-circuit protection: 3RW30 Soft starter + 3RT2 contactor + 3RU2 thermal overload relay

Short-circuit protection with fuses for motor feeders with 3RW30 soft starter, 3RT2 contactor and 3RU21 thermal overload relay up to 400 V / 65 kA, type of coordination 1

Table 1- 11 Fuse links for protection according to IEC 60947-4-2 operating class gG, (NH DIAZED, NEOZED; type 3NA, 5SB, 5SE)

Overload relay		Contactor	Soft starter	Fuse links ¹⁾ [A]
Article No.		Article No.	Article No.	Type of coordination ²⁾
Setting range [A]				1
Size S00				
3RU2116-1C..	1.8 ... 2.5	3RT2015	3RW3013	20
3RU2116-1D..	2.2 ... 3.2	3RT2015	3RW3013	20
3RU2116-1E..	2.8 ... 4.0	3RT2015	3RW3013	20
3RU2116-1F..	3.5 ... 5.0	3RT2015	3RW3014	20
3RU2116-1G..	4.5 ... 6.3	3RT2015	3RW3014	20
3RU2116-1H..	5.5 ... 8.0	3RT2016	3RW3016	20
3RU2116-1J..	7.0 ... 10	3RT2016	3RW3016	20
3RU2116-1K..	9.0 ... 12.5	3RT2017	3RW3017	25
3RU2116-4A..	11 ... 16	3RT2018	3RW3018	35
Size S0				
3RU2126-4B..	14 ... 20	3RT2026	3RW3026	63
3RU2126-4C..	17 ... 22	3RT2026	3RW3026	63
3RU2126-4D..	20 ... 25	3RT2026	3RW3026	63
3RU2126-4N..	23 ... 28	3RT2027	3RW3027	80
3RU2126-4E..	27 ... 32	3RT2027	3RW3027	80
3RU2126-4P..	30 ... 36	3RT2028	3RW3028	80
3RU2126-4F..	34 ... 40	3RT2028	3RW3028	80
Size S2				
3RU2136-4F..	28 ... 40	3RT2035	3RW3036	100
3RU2136-4G..	36 ... 45	3RT2036	3RW3036	100
3RU2136-4H..	40 ... 50	3RT2036	3RW3036	100
3RU2136-4Q..	47 ... 57	3RT2037	3RW3037	125
3RU2136-4J..	54 ... 65	3RT2037	3RW3037	125
3RU2136-4K..	62 ... 73	3RT2038	3RW3038	125
3RU2136-4R..	70 ... 80	3RT2038	3RW3038	125
Size S3				
3RU2146-4F..	28 ... 40	3RT2045	3RW3046	160
3RU2146-4H..	36 ... 50	3RT2045	3RW3046	160
3RU2146-4J..	45 ... 63	3RT2045	3RW3046	160
3RU2146-4K..	57 ... 75	3RT2045	3RW3046	160

Overload relay		Contactor	Soft starter	Fuse links ¹⁾ [A]
				Type of coordination ²⁾
Article No.	Setting range [A]	Article No.	Article No.	1
3RU2146-4L..	70 ... 90	3RT2046	3RW3047	160
3RU2146-4M..	80 ... 100	3RT2047	3RW3047	160

1) Please take account of the rated voltage

2) Assignment and short-circuit protective devices acc. to IEC 60947-4-2

1.8 Short-circuit protection: 3RF34 Solid-state contactor, type of coordination 1 and 2

Short-circuit protection with fuses for 3RF34 solid-state contactor

Fuse links for protection according to IEC 60947-4-2

Short-circuit protection up to 600 V / 50 kA, type of coordination 1 and 2

Table 1- 12 Fuse links for solid-state-contactor

Solid-state contactor		Fuse links ¹⁾ [A]	
		Acc. to IEC 60947-4-2 ³⁾	
Article No.	I _e @ 40 °C [A]	500 V 3NW / 600 V 3NA 50 kA	
		Type of coordination ²⁾	
		1	2
3RF3405-1BB54	5.2	25	On request
3RF3410-1BB54	9.2	40	
3RF3412-1BB54	12.5	40	
3RF3416-1BB54	16	40	
Reversing contactors			
3RF3403-1BD54	3.8	25	On request
3RF3405-1BD54	5.4	40	
3RF3410-1BD54	7.4	40	

1) Please take account of the rated voltage

2) Assignment and short-circuit protective devices acc. to IEC 60947-4-2

3) NH type 3NA, DIAZED type 5SB, NEOZED type 5SE, operating class gG

1.9 Short-circuit protection: Motor feeders with 3RW3 + 3RT2 + 3RB30/3RB31

Short-circuit protection with fuses for motor feeders with 3RW30 soft starter and 3RB30 / 3RB31 electronic overload relay up to 480 V / 65 kA, type of coordination 1

Table 1- 13 Fuse links for protection according to IEC 60947-4-2 operating class gG, (NH DIAZED, NEOZED; type 3NA, 5SB, 5SE)

Overload relay		Contactor	Soft starter	Current carrying capacity [A]			Fuse links ¹⁾ [A]
				I _e at 400 V and			Type of coordi- nation ²⁾
Article No.	Setting range [A]	Article No.	Article No.	40 °C	50 °C	60 °C	1
Size S00							
3RB3016-1P..	1 ... 4	3RT2015	3RW3013	3.6	3.3	3.0	20
		3RT2016	3RW3013	3.6	3.3	3.0	20
3RB3016-1S..	3 ... 12	3RT2015	3RW3014	6.5	6.0	5.5	20
		3RT2016	3RW3014	6.5	6.0	5.5	20
		3RT2017	3RW3016	9.0	8.0	7.0	20
3RB3016-1T..	4 ... 16	3RT2017	3RW3017	12.5	12.0	11.0	25
		3RT2018	3RW3018	17.6	17.0	14.0	35
Size S0							
3RB3026-1Q..	6 ... 25	3RT2025	3RW3026	17.0	17.0	17.0	63
		3RT2026	3RW3026	25.3	23.0	21.0	63
		3RT2027	3RW3027	32.2	29.0	26.0	80
3RB3026-1V..	10 ... 40	3RT2025	3RW3026	17.0	17.0	17.0	63
		3RT2026	3RW3026	25.3	23.0	21.0	63
		3RT2027	3RW3027	32.2	29.0	26.0	80
		3RT2028	3RW3028	38.0	34.0	31.0	80

¹⁾ Please take account of the rated voltage

²⁾ Assignment and short-circuit protective devices acc. to IEC 60947-4-2

Overload relay		Contactor	Soft starter	Current carrying capacity [A]			Fuse links ¹⁾ [A]
				I _e at 400 V and			Type of coordination ²⁾
Article No.	Setting range [A]	Article No.	Article No.	40 °C	50 °C	60 °C	1
Size S2							
3RB3036-1U..	12.5 ... 50	3RT2035	3RW3036	45.0	42.0	39.0	100
		3RT2036	3RW3036	45.0	42.0	39.0	100
3RB3036-1W..	20 ... 80	3RT2035	3RW3036	45.0	42.0	39.0	100
		3RT2036	3RW3036	45.0	42.0	39.0	100
		3RT2037	3RW3037	65.0	58.0	53.0	125
		3RT2038	3RW3038	72.0	62.1	60.0	125
Size S3							
3RB3046-1U..	12.5 ... 50	3RT2045	3RW3046	50	50	50	160
3RB3046-1X..	32 ... 115	3RT2045	3RW3046	80	73	66	160
		3RT2046	3RW3047	106	98	90	160
		3RT2047	3RW3047	106	98	90	160

1) Please take account of the rated voltage

2) Assignment and short-circuit protective devices acc. to IEC 60947-4-2

1.10 BS88 Fuse Links

Table 2 BS 88 Fuse links

Rated current [A]	Fuse link	Rated current [A]	Fuse link
4	NIT4	100	TIS63M100
6	NIT6	125	TCP100M125
10	NIT10	160	TCP100M160
16	NIT16	200	TCP100M200
20	NIT20	250	TFP200M250
25	NIT20M25	315	TFP200M315
32	NIT20M32	400	TMF400
35	TIA32M35	450	TMF400M450
40	TIA32M40	500	TTM500
50	TIA32M50	630	TTM630
63	TIA32M63	800	TLM800
80	TIA63M80		

Confirmation

确认书

Product identification: DF CP Products, DF CP 产品
产品

3RA, 3RB, 3RE, 3RF, 3RG, 3RH, 3RK, 3RM, 3RN, 3RP, 3RQ,
3RR, 3RS, 3RT, 3RU, 3RV, 3RW, 3RX, 3SB, 3SE, 3SF, 3SK, 3SU1,
3SX, 3TB, 3TC, 3TD, 3TE, 3TF, 3TG, 3TH, 3TK, 3TS, 3TX, 3TY, 3UA,
3UC, 3UF, 3UG, 3US, 3UL, 3UW, 3UX, 3VS, 3VU, 3ZY, 4A, 4AM, 4E,
4FD, 6BK, 6GK, 7PU, 7PV, 8WD, LZS, LZX, 7MH, 4FK, 4FL

Manufacturer: Siemens AG, DF CP
厂商

Address: DE-92220 Amberg
地址

Chinese Quality Check Mark

质量检验合格证明

Hereby we confirm that all the Products from DF CP are compliant with the Chinese Quality Law. Main demand of this law is that the product quality shall be inspected and acceptable and that the product complies with the standard and requirements for safeguarding the health.

我们特此证明DF CP的所有产品符合《中国产品质量法》。该法主要要求是产品质量经过检验合格，产品符合标准和保障人身健康的要求。

Siemens Aktiengesellschaft
DF CP R&D
92220 Amberg

2016-09-26

date of issue

Amberg

place

Fritz Royer
Head of Project Management Mechatronics

Markus Meier
Head of Project Management Electronics

This confirmation does not imply any guarantee of quality or durability. The safety instructions of the accompanying product documentation shall be observed.
Diese Bestätigung enthält keine Beschaffenheits- oder Haltbarkeitsgarantie. Die Sicherheitshinweise der mitgelieferten Produktdokumentation sind zu beachten.

Siemens Aktiengesellschaft: Chairman of the Supervisory Board: Gerhard Cromme; Managing Board: Joe Kaeser, Chairman, President and Chief Executive Officer; Roland Busch, Lisa Davis, Klaus Helmrich, Janina Kugel, Siegfried Russwurm, Ralf P. Thomas; Registered offices: Berlin and Munich, Germany; Commercial registries: Berlin Charlottenburg, HRB 12300, Munich, HRB 6684; WEEE-Reg.-No. DE 23691322

CERTIFICATE OF COMPLIANCE

Certificate Number 20130813 – E143112
Report Reference E143112 - 20071021
Issue Date 2013-August-13

Issued to: SIEMENS AG
I IA CE CP R&D-VI 4
WERNER-VON-SIEMENS-STRASSE 48
92220 AMBERG, GERMANY

**This is to certify that
representative samples of**

Motor Controllers, Mechanically Operated and Solid-state
Solid-state motor controller, Type 3RW40 followed by 24,
26, 27, 28, 36, 37, 38, 46 or 47 followed by -1 or -2 followed
by B or T followed by B followed by 0 or 1, followed by
4 or 5.
(See following pages for additional model information.)

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: ANSI/UL 508, "Industrial Control Equipment" and
CSA-C22.2 No. 14, "Industrial Control Equipment."

Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Listing Mark for the US and Canada should be considered as
being covered by UL's Listing and Follow-Up Service meeting the appropriate requirements for US
and Canada.

The UL Listing Mark for the US and Canada generally includes: the UL in a circle symbol with "C" and
"US" identifiers:  the word "LISTED"; a control number (may be alphanumeric) assigned by UL;
and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.



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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Additional Model Information:

Accessories, fan kit, type 3RW4928-8VB00, 3RW4947-8VB00.

Link modules, Types 3RA2911-2G, 3RA2921-2G, and 3RA2921-1B

Solid-state motor controller, Type 3RW30 followed by 13, 14, 16, 17, 18, 26, 27, 28, 36, 37, 38, 46 or 47 followed by -1 or -2 followed by B followed by B followed by 0 or 1, followed by 4. Types 3RW301, 3RW302, and 3RW402 may be used together with 3RA2911-2G, 3RA2921-2G, or 3RA2921-1B link module to be connected with 3RV20.

General:

These devices are solid - state motor controller for use in industrial applications. These devices allow smooth, step-less starting. The 3RW40 devices are provided with an integrated solid-state overload relay (class settings: 10, 15, 20) and have the option of soft stopping and an integral current limiting control during starting.

Ratings:

3RW40:

3 ph Horsepower at 40°C surrounding air temperature

Type	200/208 V	230/240 V	460/480 V	575/600 V	max FLA
3RW4024	3 hp	3 hp	7.5 hp	10 hp	12.5 A
3RW4026	7.5 hp	7.5 hp	15 hp	20 hp	25.3 A
3RW4027	10 hp	10 hp	20 hp	30 hp	32.2 A
3RW4028	10 hp	10 hp	25 hp	30 hp	38 A
3RW4036	10 hp	15 hp	30 hp	40 hp	45 A
3RW4037	20 hp	20 hp	40 hp	60 hp	63 A
3RW4038	20 hp	25 hp	50 hp	60 hp	72 A
3RW4046	25 hp	30 hp	60 hp	75 hp	80 A
3RW4047	30 hp	40 hp	75 hp	100 hp	106 A



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3 ph Horsepower at 50°C surrounding air temperature

Type	200/208 V	230/240 V	460/480 V	575/600 V	max FLA
3RW4024	3 hp	3 hp	7.5 hp	10 hp	11 A
3RW4026	5 hp	5 hp	15 hp	20 hp	23 A
3RW4027	7.5 hp	7.5 hp	20 hp	25 hp	29 A
3RW4028	10 hp	10 hp	25 hp	30 hp	34 A
3RW4036	10 hp	15 hp	30 hp	40 hp	42 A
3RW4037	15 hp	20 hp	40 hp	50 hp	58 A
3RW4038	20 hp	20 hp	40 hp	60 hp	62.1 A
3RW4046	20 hp	25 hp	50 hp	60 hp	73 A
3RW4047	30 hp	30 hp	75 hp	75 hp	98 A

Control voltage: 24 V ac/dc or 110 V up to 230 V ac/dc
 Auxiliary Contacts: B300/R300

3RW30:

3 ph Horsepower at 40°C surrounding air temperature

Type	200/208 V	230/240 V	460/480 V		max FLA
3RW3013	0.5 hp	0.75 hp	2 hp		3.6 A
3RW3014	1 hp	1.5 hp	3 hp		6.5 A
3RW3016	2 hp	2 hp	5 hp		9.0 A
3RW3017	3 hp	3 hp	7.5 hp		12.5 A
3RW3018	5 hp	5 hp	10 hp		17.6 A
3RW3026	7.5 hp	7.5 hp	15 hp		25.3 A
3RW3027	10 hp	10 hp	20 hp		32.2 A
3RW3028	10 hp	10 hp	25 hp		38 A
3RW3036	10 hp	15 hp	30 hp		45 A
3RW3037	20 hp	20 hp	40 hp		63 A
3RW3038	20 hp	25 hp	50 hp		72 A
3RW3046	25 hp	30 hp	60 hp		80 A
3RW3047	30 hp	40 hp	75 hp		106 A

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3 ph Horsepower at 50°C surrounding air temperature

Type	200/208 V	230/240 V	460/480 V		max FLA
3RW3013	0.5 hp	0.5 hp	1.5 hp		3 A
3RW3014	1 hp	1 hp	3 hp		6 A
3RW3016	2 hp	2 hp	5 hp		8 A
3RW3017	3 hp	3 hp	7.5 hp		12 A
3RW3018	3 hp	3 hp	10 hp		17 A
3RW3026	5 hp	5 hp	15 hp		23 A
3RW3027	7.5 hp	7.5 hp	20 hp		29 A
3RW3028	10 hp	10 hp	25 hp		34 A
3RW3036	10 hp	15 hp	30 hp		42 A
3RW3037	15 hp	20 hp	40 hp		58 A
3RW3038	20 hp	20 hp	40 hp		62.1 A
3RW3046	20 hp	25 hp	50 hp		73 A
3RW3047	30 hp	30 hp	75 hp		98 A

Control voltage: 24 V ac/dc or 110 V up to 230 V ac/dc
Auxiliary Contact: B300/R300



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Standard Short Circuit Ratings with Fuses (3RW40):

Type No.	Max. Fuse Class K5, RK5, RK1	Max. Fuse Class J	Short Circuit	Voltage
3RW4024	50 A	50 A	5 kA	600 V
3RW4026	100 A	100 A	5 kA	600 V
3RW4027	125 A	125 A	5 kA	600 V
3RW4028	125 A	125 A	5 kA	600 V
3RW4036	175 A	175 A	10 kA	600 V
3RW4037	250 A	250 A	10 kA	600 V
3RW4038	250 A	250 A	10 kA	600 V
3RW4046	450 A ¹⁾	300 A	10 kA	600 V
3RW4047	450 A ¹⁾	300 A	10 kA	600 V

1) Special purpose fuse Type 3NE1333-2 manufactured by Siemens covered in File E167357.

High Capacity Short Circuit Ratings with Fuses (3RW40):

Type No.	Max. Fuse Class K5, RK5, RK1	Max. Fuse Class J	Short Circuit	Voltage
3RW4024	50 A	50 A	42 kA	600 V
3RW4024	50 A ¹⁾	50 A	100 kA	600 V
3RW4026	60 A	100 A	42 kA	600 V
3RW4026	100 A ¹⁾	100 A	100 kA	600 V
3RW4027	60 A	125 A	42 kA	600 V
3RW4027	100 A ¹⁾	110 A	100 kA	600 V
3RW4028	60 A	125 A	42 kA	600 V
3RW4028	100 A ¹⁾	110 A	100 kA	600 V
3RW4036	100 A	175 A	30 kA	600 V
3RW4036	175 A ¹⁾	175 A	100 kA	600 V
3RW4037	100 A	200 A	30 kA	600 V
3RW4037	200 A ¹⁾	200 A	100 kA	600 V
3RW4038	100 A	200 A	30 kA	600 V
3RW4038	200 A ¹⁾	200 A	100 kA	600 V
3RW4046	110 A	200 A	42 kA	600 V
3RW4046	200 A ¹⁾	200 A	100 kA	600 V
3RW4047	110 A	200 A	42 kA	600 V
3RW4047	200 A ¹⁾	200 A	100 kA	600 V

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1) RK1-Fuse only
Standard Short Circuit Ratings with Circuit Breakers and Combination Motor Controllers(3RW40):

Type No.	Circuit Breaker 3RV27, 3RV28	Comb. Mot. Ctrl. ³⁾ 3RV201, 3RV202	Man. Mot. Ctrl. 3RV2.1, 3RV2.2	Short Circuit	Voltage
3RW402	22 A	32 A	36 A ¹⁾	5 kA	480 V
3RW402	12.5 A	12.5 A	25 A ¹⁾	5 kA	600 V
3RW403	42 A ²⁾	-	-	10 kA	600 V
	42 A ³⁾	-	-	10 kA	600 V

²⁾ Siemens Listed Circuit Breaker Type 3RV17...

³⁾ Siemens Listed Circuit Breaker Type 3VL1/HCGX3B150

High Capacity Circuit Ratings with Circuit Breakers and Combination Motor Controllers(3RW40):

Type No.	Circuit Breaker 3RV27, 3RV28	Comb. Mot. Ctrl. ¹⁾ 3RV201, 3RV202	Short Circuit	Voltage
3RW402	15 A	25 A	65 kA	480 V
3RW402	-	32 A	42 kA	480 V
*				
3RW402	22 A	-	50 kA	480 V
3RW402	-		30 kA	600 V
*				
3RW402	12.5 A	-	10 kA	600 V

1) These ratings apply for the solid state motor controller used with or without link modules type 3RA2921-1B, 3RA2911-2G or 3RA2921-2G.
The 3RV20 are also evaluated together with solid-state-motor controllers 3RW402 as Combination Motor Controllers Type F.

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Group Installation:

Maximum Short-circuit rating in Group Installation (only in combination with Manual Motor Controller 3RV2)

Type No.	Comb. Mot. Ctrl. 3RV2.1, 3RV2.2	Comb. Mot. Ctrl. 3RV2.23	Short Circuit	Voltage
3RW402	25 A ¹⁾		65 kA	480 V
3RW402	32 A ¹⁾		42 kA	480 V
3RW402	36 A ¹⁾		12 kA	480 V
3RW402	12.5 ²⁾	25 A ³⁾	30 kA	600 V

1) Branch Circuit Protective Device: The appropriate BCPD need to be determined in accordance with the National Electrical Code, Article 430-53 and the application.

The following devices are permitted:

Fuses: Classes RK1, RK5, J, G, T, CC or

Circuit breakers: Listed Siemens type, with a marked short-circuit rating equal or larger than the available short-circuit current rating

These devices were tested for group installation use at the above levels without any upstream branch circuit device.

2) Branch Circuit Protective Device for 600V-Ratings: Max. Class J 80A

3) Branch Circuit Protective Device for 600V-Ratings: Max. Class J 150A

For solid-state motor controller, Type 3RW402:

Applicable in an enclosure with minimum overall dimensions of 370 by 190 by 190 mm.

For solid-state motor controller, Type 3RW403:

Applicable in an enclosure with minimum overall dimensions of 450 by 210 by 225 mm.

For solid-state motor controller, Type 3RW404:

Applicable in an enclosure with minimum overall dimensions of 450 by 220 by 235 mm.



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Standard Short Circuit Ratings 3RW30:

Type No.	Max. Fuse	Max. Fuse	Short	Voltage
	Class K5, RK5, RK1	Class J	Circuit	
3RW3013	-	15 A	5 kA	480 V
3RW3014	-	25 A	5 kA	480 V
3RW3016	-	36 A	5 kA	480 V
3RW3017	-	50 A	5 kA	480 V
3RW3018	-	60 A	5 kA	480 V
3RW3026	100 A	100 A	5 kA	480 V
3RW3027	125 A	125 A	5 kA	480 V
3RW3028	125 A	125 A	5 kA	480 V
3RW3036	175 A	175 A	10 kA	480 V
3RW3037	250 A	250 A	10 kA	480 V
3RW3038	250 A	250 A	10 kA	480 V
3RW3046	-	300 A	10 kA	480 V
3RW3047	-	350 A	10 kA	480 V

High Capacity Short Circuit Ratings 3RW30:

Type No.	Max. Fuse	Max. Fuse	Short	Voltage
	Class K5, RK5, RK1	Class J	Circuit	
3RW3013	-	15 A	42 kA	480 V
3RW3014	-	25 A	42 kA	480 V
3RW3016	-	25 A	42 kA	480 V
3RW3017	-	25 A	42 kA	480 V
3RW3018	-	25 A	42 kA	480 V
3RW3026	60 A	100 A	42 kA	480 V
3RW3026	100 A ¹	100 A	100 kA	480 V
3RW3027	60 A	125 A	42 kA	480 V
3RW3027	100 A ¹	110 A	100 kA	480 V
3RW3028	60 A	125 A	42 kA	480 V
3RW3028	100 A ¹	110 A	100 kA	480 V
3RW3036	100 A	175 A	30 kA	480 V
3RW3036	175 A ¹	175 A	100 kA	480 V
3RW3037	100 A	200 A	30 kA	480 V
3RW3037	200 A ¹	200 A	100 kA	480 V
3RW3038	100 A	200 A	30 kA	480 V

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High Capacity Short Circuit Ratings 3RW30 (Cont.):

Type No.	Max. Fuse	Max. Fuse	Short	Voltage
	Class K5, RK5, RK1	Class J	Circuit	
3RW3038	200 A ¹	200 A	100 kA	480 V
3RW3046	110 A	200 A	42 kA	480 V
3RW3046	200 A ¹	200 A	100 kA	480 V
3RW3047	110 A	200 A	42 kA	480 V
3RW3047	200 A ¹	200 A	100 kA	480 V

1) RK1-Fuse only

Standard Short Circuit Ratings with Circuit Breakers and Combination Motor Controllers(3RW30):

Type No.	Circuit Breaker 3RV27, 3RV28	Comb. Mot. Ctrl. ³⁾ 3RV201, 3RV202	Man. Mot. Ctrl.	Short Circuit	Voltage
3RW3013, 3RW3014, 3RW3016	8 A	8 A		5 kA	480 V
3RW3017	12.5 A	12.5 A		5 kA	480 V
3RW3018	15 A	16 A		5 kA	480 V
3RW302	22 A	32 A	36 A	5 kA	480 V
	40 A ²⁾	-	-	5 kA	480 V
3RW303	max. 70 A ³⁾	-	-	10 kA	600 V
3RW303	max. 150 A ⁴⁾			10 kA	600 V

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High Capacity Circuit Ratings with Circuit Breakers and Combination Motor Controllers(3RW30):

Type No.	Circuit Breaker 3RV27, 3RV28	Comb. Mot. Ctrl. ¹⁾ 3RV201, 3RV202	Short Circuit	Voltage
3RW302	15 A	25 A	65 kA	480 V
3RW302	-	32 A	42 kA	480 V
3RW302	22 A	-	50 kA	480 V
	40 A ²⁾	-	10 kA	480 V

1) These ratings apply for the solid state motor controller used with or without link modules type 3RA2921-1B, 3RA2911-2G or 3RA2921-2G

The 3RV20 are also evaluated together with solid-state-motor controllers 3RW301 or 3RW302 as Combination Motor Controllers Type F

2) Siemens Listed Circuit Breaker Type 5SJ43...-7HG42 or -7XX42

3) Siemens Listed Circuit Breaker Type 3RV17...

4) Siemens Listed Circuit Breaker Type 3VL1

Group Installation:

Maximum Short-circuit rating in Group Installation (only in combination with Manual Motor Controller 3RV2)

Type No.	Man. Mot. Ctrl. 3RV2.1, 3RV2.2	Man. Mot. Ctrl. 3RV2.23	Short Circuit	Voltage
3RW302	25 A ¹⁾	-	65 kA	480 V
3RW302	32 A ¹⁾	-	42 kA	480 V
3RW302	36 A ¹⁾	-	12 kA	480 V
3RW302	-	25 A ²⁾	30 kA	480 V

1) Branch Circuit Protective Device: The appropriate BCPD need to be determined in accordance with the National Electrical Code, Article 430-53 and the application.

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CERTIFICATE OF COMPLIANCE

Certificate Number 20130813 – E143112
Report Reference E143112 - 20071021
Issue Date 2013-August-13

The following devices are permitted:

Fuses: Classes RK1, RK5, J, G, T, CC or

Circuit breakers: Listed Siemens type, with a marked short-circuit rating equal or larger than the available short-circuit current rating

These devices were tested for group installation use at the above levels without any upstream branch circuit device.

2) Branch Circuit Protective Device: Max. Class J 150A.

For solid-state motor controller, Type 3RW301:

Applicable in an enclosure with minimum overall dimensions of 200 by 120 by 200 mm.

For solid-state motor controller, Type 3RW302:

Applicable in an enclosure with minimum overall dimensions of 370 by 175 by 195 mm.

For solid-state motor controller, Type 3RW303:

Applicable in an enclosure with minimum overall dimensions of 450 by 220 by 235 mm.

For solid-state motor controller, Type 3RW304:

Applicable in an enclosure with minimum overall dimensions of 450 by 220 by 235 mm.



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Nomenclature Breakdown:

3RW40 24 -1 B B 0 2
I II III IV V VI VII

I - Basic type

3RW40 - Solid-state motor controller with integrated electronic overload relay, low functionality

II - Size

- 24 - size S0, rated for 480 V and 50°C / 7.5 hp
- 26 - size S0, rated for 480 V and 50°C / 15 hp
- 27 - size S0, rated for 480 V and 50°C / 20 hp
- 28 - size S0, rated for 480 V and 50°C / 25 hp
- 36 - size S2, rated for 480 V and 50°C / 30 hp
- 37 - size S2, rated for 480 V and 50°C / 40 hp
- 38 - size S2, rated for 480 V and 50°C / 40 hp
- 46 - size S3, rated for 480 V and 50°C / 50 hp
- 47 - size S3, rated for 480 V and 50°C / 75 hp

III - Type of Terminals

- 1 - Screw terminal for control circuit
- 2 - Spring terminal for control circuit or
Spring terminal for control and main circuit for size S0 only

IV - Phases controlled

- B - 2-phase controlled
- T - 2-phase controlled with thermistor motor protection

V - Bypass-System and additional function

- B - With bypass-contact

VI - Operating Voltage

- 0 - 24 V ac/dc
- 1 - 110 up to 230 V ac/dc

VII - Rated Voltage

- 4 - 200 up to 480 V ac
- 5 - 400 up to 600 V ac

Accessories

3RW4928-8VB00 or 3RW4947-8VB00 Fan



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CERTIFICATE OF COMPLIANCE

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Issue Date 2013-August-13

Nomenclature Breakdown continued:

3RW30 13 -1 B B 0 4
I II III IV V VI VII

- I Basic type**
3RW30 - Solid-state motor controller, low functionality
- II Size**
13 - size S00, rated for 480 V and 50°C / 1.5 hp
14 - size S00, rated for 480 V and 50°C / 3 hp
16 - size S00, rated for 480 V and 50°C / 5 hp
17 - size S00, rated for 480 V and 50°C / 7.5 hp
18 - size S00, rated for 480 V and 50°C / 10 hp
26 - size S0, rated for 480 V and 50°C / 15 hp
27 - size S0, rated for 480 V and 50°C / 20 hp
28 - size S0, rated for 480 V and 50°C / 25 hp
36 - size S2, rated for 480 V and 50°C / 30 hp
37 - size S2, rated for 480 V and 50°C / 40 hp
38 - size S2, rated for 480 V and 50°C / 40 hp
46 - size S3, rated for 480 V and 50°C / 50 hp
47 - size S3, rated for 480 V and 50°C / 75 hp
- III Type of Terminals**
-1 - Screw terminal for control circuit
-2 - Spring terminal for control circuit or Spring terminal for control and main circuit for size S00 and S0 only
- IV Phases controlled**
B - 2-phase controlled
- V Bypass-System and additional function**
B - With bypass-contact
- VI Operating Voltage**
0 - 24 V ac/dc
1 - 110 up to 230 V ac/dc
- VII Rated Voltage**
4 - 200 up to 480 V ac

Accessories

3RA2911-2G: Link modules to connect 3RV2 to 3RW301
3RA2921-2G: Link modules to connect 3RV2 to 3RW302 or 3RW402
3RA2921-1B: Link modules to connect 3RV2 to 3RW30 or 3RW40



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