

CERTIFICATE OF COMPLIANCE

Certificate Number 20190131-E44653
Report Reference E44653-20050404
Issue Date 2019-JANUARY-31

Issued to: SIEMENS AG
DF CP R&D VC 2
Wener-von-Siemens-Strasse 48
92224 Amberg, GERMANY

**This is to certify that
representative samples of** Auxiliary Devices
(See Addendum for Additional Information.)

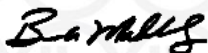
Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 60947-1 - LOW-VOLTAGE SWITCHGEAR AND
CONTROLGEAR - PART 1: GENERAL RULES
UL 60947-4-1 - LOW-VOLTAGE SWITCHGEAR AND
CONTROLGEAR - PART 4-1: CONTACTORS AND
MOTOR-STARTERS - ELECTROMECHANICAL
CONTACTORS AND MOTOR-STARTERS
CSA C22.2 NO. 60947-1-13 - LOW-VOLTAGE
SWITCHGEAR AND CONTROLGEAR — PART 1:
GENERAL RULES
CSA C22.2 NO. 60947-4-1-14 - LOW-VOLTAGE
SWITCHGEAR AND CONTROLGEAR — PART 4-1:
CONTACTORS AND MOTOR-STARTERS —
ELECTROMECHANICAL CONTACTORS AND MOTOR-
STARTERS

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

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please
contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number 20190131-E44653
Report Reference E44653-20050404
Issue Date 2019-JANUARY-31

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

Addendum -

USL, CNL Communications-capable electronic overload relay (Basic Unit) - Type 3UF70 followed by 0, 1 or 2, followed by 0, 1, 2, or 3, followed by -1, followed by A, followed by B or U, followed by 0, may be followed by suffix numbers and/or characters.

USL, CNL Communications-capable electronic overload relay (Current/Voltage measuring modules) - Type 3UF71 followed by 0, 1, or 2 followed by 0, 1, 2, 3 or 4 followed by -1, followed by A or B, followed by A, followed by 00 or 01 or may be followed by any suffix numbers and/or characters.

USL, CNL Communications-capable electronic overload relay (Digital Module and Expansion Modules) - Type 3UF73 followed by 0, 1, 2, or 3, followed by 0 or 1 followed by -1A followed by B or U, followed by 0, may be followed by suffix numbers and/or characters.

USL, CNL Communications-capable electronic overload relay (Accessories) - Type 3UF7150-1AA0-0, 3UF7200-1AA00-0, 3UF7902-0AA00-0, 3UF7910-0AA00-0, 3UF7922-0AA00-0, 3UF793.-0.A00-0, 3UF7930-0AA00-0, 3UF7931-0AA00-0, 3UF7932-0AA00-0, 3UF7933-0AA00-0, 3UF790-0AA00-0, 3UF7920-0AA00-0, 3UF7950-0AA00-0, 3UF7400-1AA00-0, 3UF7500-1AA00-0, 3UF7700-1AA00-0.

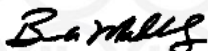
USL, CNL – Three phase current measuring module, Type 3UF76 followed by 0, followed by 0, followed by -1, followed by A, followed by B or U, followed by 0, may be followed by suffix numbers and/or characters.

USL, CNL Operator Module and Accessories - Type 3RA6935-0A, 3RA6936-0A, 3RA6933-0A, 3RA6933-0B, 3RA2711-0EE11.

USL, CNL Electronic overload relay (Basic Unit) - Type 3RB22, 3RB23, or 3RB24 followed by 8, followed by 3, followed by -4A, followed by A or C, followed by 1.

USL, CNL Electronic overload relay (Current measuring modules) - Type 3RB29 followed by 0, 4, 5 or 6 followed by 6 followed by -0 or -2, followed by B, D, E, F, J, M, T or W, followed by G or H, may be followed by suffix numbers and/or characters.

USL, CNL Electronic overload relay (Accessories) - Type 3RB298, followed by 4, 5 or 7, may be followed by suffix numbers and/or characters.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number 20190131-E44653
Report Reference E44653-20050404
Issue Date 2019-JANUARY-31

Ratings:

3UF70, 3UF7020 (Basic Units): 5 setting ranges depending of the used Current measuring unit 3UF71, 8 setting classes.

Surrounding air temperature 60°C

Auxiliary contacts: B300 / R300

Control voltage: 24 V dc
110 to 240 V ac/dc

Tripping current: 125 percent of dial setting

Setting classes: 5, 10, 15, 20, 25, 30, 35 or 40

3UF71 (Current and/or voltage sensing unit): 600 V a.c.; 3 ph; 50/60 Hz; 5 setting ranges.

Setting ranges and short circuit ratings (current range I):

Setting range	Fuse, Comb.Mot.Ctrl. or Circuit Breaker	Short circuit	Voltage
0.3 to 3.0 A	max. 10 A	100 kA	600 V
2.4 to 25 A	max. 100 A	100 kA	600 V
10 to 100 A	max. 400 A	100 kA	600 V
20 to 200 A	max. 600 A	100 kA	600 V
63 to 630 A	max. 2000 A	100 kA	600 V

Setting ranges and short circuit ratings (current range II):

Setting range	Fuse, Comb.Mot.Ctrl. or Circuit Breaker	Short circuit	Voltage
0.3 to 4.0 A	max. 10 A	100 kA	600 V
3.0 to 40 A	max. 100 A	100 kA	600 V
10 to 115 A	max. 400 A	100 kA	600 V
20 to 200 A	max. 600 A	100 kA	600 V
63 to 630 A	max. 2000 A	100 kA	600 V



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number 20190131-E44653
Report Reference E44653-20050404
Issue Date 2019-JANUARY-31

Different Class fuses can be used
Short circuit ratings apply to both, overload relays and overload relays used with contactors.

3UF73 (Digital Module):

Auxiliary contacts: B300/R300

Control voltage: 24 V dc
110 to 240 V ac/dc

Accessories:

3UF74 (analog module), 3UF75 (Ground fault module) and 3UF77 (Temperature module):

Low voltage, low current.

3UF72, 3RA6935-0A (Operator module) and door adapter 3UF7920-0AA00-0 (Door adapter):
Type 1 and 12

3UF732... and 3UF73...:

Auxiliary contacts: B300/R300
Control voltage: 24V dc
110 to 240 V ac/dc
Air surrounding temperature: 60°C

3RB22, 3RB23, and 3RB24 (Basic Units): 4 setting ranges depending on the used Current measuring unit 3RB29,
4 setting classes.

Surrounding air temperature 60°C

Auxiliary contacts: B300 / R300

Control voltage: 24 V to 240 V ac/dc

Tripping current: 125 percent of dial setting

Setting classes: 5, 10, 20 or 30



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number 20190131-E44653
Report Reference E44653-20050404
Issue Date 2019-JANUARY-31

3UF7600....:

Surrounding air temperature 60°C

Auxiliary contacts: B300 / R300

Control voltage: 24V dc or 110-240V ac/dc

3RB29 (current sensing unit): 600 V a.c.; 3 ph; 50/60 Hz; 8 current ranges.

Setting ranges and short circuit ratings (current range I):

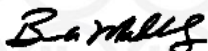
Current range	Fuse, Comb.Mot.Ctrl. or Circuit Breaker	Short circuit	Voltage
0.3 to 3.0 A	max. 10 A	100 kA	600 V
2.4 to 25 A	max. 100 A	100 kA	600 V
10 to 100 A	max. 400 A	100 kA	600 V
25 to 150 A	max. 600 A	100 kA	600 V
20 to 200 A	max. 600 A	100 kA	600 V
150 to 300 A	max. 800 A	100 kA	600 V
160 to 567 A	max. 1600 A	100 kA	600 V
63 to 630 A	max. 2000 A	100 kA	600 V

Different Class fuses can be used

Short circuit ratings apply to both, overload relays and overload relays used with contactors.

Setting ranges and short circuit ratings (current range II):

Current range	Fuse, Comb.Mot.Ctrl. or Circuit Breaker	Short circuit	Voltage
0.3 to 3.0 A	max. 10 A	100 kA	600 V
2.4 to 25 A	max. 100 A	100 kA	600 V
10 to 100 A	max. 400 A	100 kA	600 V
20 to 200 A	max. 600 A	100 kA	600 V
63 to 630 A	max. 2000 A	100 kA	600 V



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number 20190131-E44653
Report Reference E44653-20050404
Issue Date 2019-JANUARY-31

NOMENCLATURE BREAKDOWN:

3UF70	0	0	-1	A	B	0	..
I	II	III	IV	V	VI	VII	VIII

I. Basic Type
3UF70 - Basic unit

II. Functions
0 - standard version
1 - extended version
2 - Basic Unit SIMOCODE pro S
3 - EtherNet/IP

III. Manufacturers identification
0 - ProfiBus-DP
1 - ProfiNet
2 - MOD-Bus

IV. Terminals
-1 - Screw terminal

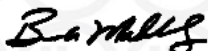
*

V. Software
A - Standard

VI. Rated control voltage
B - 24 V d.c.
U - 110 to 240 V a.c. / d.c.

VII. Input and Output
0 - 4 inputs and 2 outputs

VIII. Manufacturers identification
.. - ..



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number 20190131-E44653
Report Reference E44653-20050404
Issue Date 2019-JANUARY-31

3UF71 0 0 -1 A A .00
I II III IV V VI VII

I. Basic Type

3UF71 - Current measuring unit

II. Functionality

- 0 - Current measuring module
- 1 - Current range I, current and voltage measuring module V2
- 2 - Current range II, current and voltage measuring module V2 with pump dry-run protection

III. Current range

Current range I

- 0 - 0.3 to 3 A
- 1 - 2.4 to 25 A
- 2 - 10 to 100 A
- 3 - 20 to 200 A
- 4 - 63 to 630 A

Current range II

- 0 - 0.3 to 4 A
- 1 - 3 to 40 A
- 2 - 10 to 115 A
- 3 - 20 to 200 A
- 4 - 63 to 630 A

IV. Manufacturers Identification

-1 - Standard

V. Construction of Current transformer

- A - straight-through current transformer
- B - current transformer with bus bars

VI. Firmware

A - Standard

VII. Manufacturers Identification

- 00 - Current range I
- 01 - Current range II

B. Mahlenz

Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number 20190131-E44653
Report Reference E44653-20050404
Issue Date 2019-JANUARY-31

3UF73	0	0	-1A	B	0	0-0
I	II	III	IV	V	VI	VII

I. Basic Type
3UF73 - Expansion Module, 4 inputs, 2 outputs

II. Type of outputs
0 - monostable output contacts
1 - bistable output contacts
2 - fail-safe digital module, DM-F local
3 - fail-safe digital module, DM-F PROFIsafe

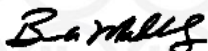
III. Manufacturers identification
0 - screw terminal
1 - spring terminal

IV. Manufacturers identification
-1A - basic type

V. Rated control voltage
B - 24 V d.c.
U - 110 to 240 V a.c. / d.c.

VI. Manufacturers identification
0 - 4 inputs / 2 outputs

VII. Manufacturers identification
0-0 - manufacturers identification



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number 20190131-E44653
Report Reference E44653-20050404
Issue Date 2019-JANUARY-31

$\frac{3UF7}{I} \quad \frac{6}{II} \quad \frac{0}{III} \quad \frac{0}{IV} \quad - \quad \frac{1}{V} \quad \frac{A}{VI} \quad \frac{B}{VII} \quad \frac{0}{VIII} \quad \frac{1}{IX} \quad - \quad \frac{0}{X}$

I. Basic Type
SIMOCODE pro

II. Device
6 - Multifunction module, for use with 3UL23

III. Version
0 - Smart module

IV. Interface module
0 - Systeminterface SIMOCONNECT

V. Terminals
1 - Screw terminals

VI. Firmware
A - Standard

VII. Supply Voltage
B - 24V dc
U - 110-240V ac/dc

VIII. Input / Output
0 - 4 Inputs / 2 outputs

IX. Housing
1 - Titangrey

X. Function version
0 - Functions version 1

Accessories for 3UF7:

3UF7150-1AA00-0:	Decoupling Module
3UF7200-1AA00-0:	Operator Module for 3UF7
3UF7200-1AA01-0:	Operator Module for 3UF702
3UF7930-1AA00-0,	3UF7931-1AA00-0, 3UF7932-1AA00-0, 3UF7933-1AA00-0: Flat Cable to connect basic unit, current and voltage sensing units, expansion modules and operator modules.
3UF7400-1AA00-0:	Analog module

B. Mahrenholz

Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number 20190131-E44653
Report Reference E44653-20050404
Issue Date 2019-JANUARY-31

3UF7500-1AA00-0: Ground fault module in combination with 3UL22
3UF7510-1AA00-0: Ground fault module in combination with 3UL23
3UF7700-1AA00-0: Temperature module
3UF790.-0AA.-0: Memory module
3UF7910-0AA00-0: Address module
3UF7920-0AA00-0: Door adapter
3UF7950-0AA00-0: Cover for connector
3UF7922-0AA00-0: Adapter for operator panel
3UF7902-0AA00-0: Initialization module
3UF793.-0.A00-0: Cables, different length and type
3UF7960-0AA00: Bus connection terminal

Accessories for 3RA6 Compact Starter or 3RA27 communication module:

3RA6935-0A: Operator Module for 3RA6/3RA27
3RA6936-0A: Enabling Module
3RA6933-0A: Cable for connection from the operator Module to 3RA6
3RA6933-0B: Cover for connector
3RA2711-0EE11: Cable for connection from the operator Module to 3RA27

3RB22	0	3	-4A	A	1
I	II	III	IV	V	VI

- I. Basic Type
3RB22 - Basic unit with monostable relay output
3RB23 - Basic unit with bistable relay output
3RB24 - Basic unit with monostable relay output and IO-Link interface.
- II. Size
8 - For all Sizes
- III. Manufacturers identification
3 - Basic type
- IV. Class settings
-4A - adjustable
- V. Terminals
A - Screw terminals
C - Spring terminals
- VI. Mounting
1 - Separate Mounting

B. Mahrenholz

Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number 20190131-E44653
Report Reference E44653-20050404
Issue Date 2019-JANUARY-31

3RB29 0 6 -2 B G ..
I II III IV V VI VII

- I. Basic Type
3RB29 - Current measuring unit
- II. Size
0 - Size S00, S0, S2 or S3
4 - Size S2
5 - Size S6
6 - Size S10/S12
- III. Manufacturers Identification
6 - standard
- IV. Manufacturers Identification
-0 - without signal processing
-2 - with signal processing
- V. Current range
B - 0.3 to 3 A
D - 2.4 to 25 A
E - 25 to 150 A (without signal processing)
F - 150 to 300 A (without signal processing)
J - 10 to 100 A
M - 160 to 567 A (without signal processing)
T - 20 to 200 A
W - 63 to 630 A
- VI. Construction of Current transformer
G - straight-through current transformer
H - current transformer with bus bars
- VII. Manufacturers Identification
.. - Standard
- - omitted

B. Mahrenholz

Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number 20190131-E44653
Report Reference E44653-20050404
Issue Date 2019-JANUARY-31

Accessories for 3RB2:

3RB298 4 ..
I II III

I. Basic Type
3RB298 - Accessories for 3RB2

II. Size
4 - sealing cap
5 - extension module
7 - Flat Cable to connect basic unit and current sensing unit

III. Suffix Letters and/or numbers specifies commercial variations
.. - any commercial variations



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

