



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 02/ 00038(E3) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER

SCHNEIDER ELECTRIC INDUSTRIES SA S 35,
38 EQI Plant
31 Rue Pierre Mandes France-Eybens
38050 Grenoble
FRANCE

PLACE OF PRODUCTION

Schneider Electric Master Tech ZA, Centr'alp 70 Rue de la Grange Batie 38430 Moirans France	Schneider Shanghai Power Distribution Electrical App. Co. Ltd. 833 Kang Qiao Lu, Pudong, Shanghai 201315 People's Republic of China
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DESCRIPTION

3 and 4 pole air circuit breakers and load switch disconnectors

TYPE

Masterpact NW

APPLICATION

Marine, offshore and industrial use in environmental categories ENV1, ENV2 and ENV3 as defined in LR Test Specification No. 1: 1996.

STANDARDS

IEC 60947-1 Ed5.2 IEC 60947-2 Ed5.0 IEC 60947-3 Ed3.2

RATINGS

Circuit Breakers

Type N1	Rated Current (A) at 45° C	Rated Voltage (V)	Breaking Capacity Icu/Ics (kA)	Making Capacity Icm (kA)	Overcurrent Release
NW08	800	220/ 690	42/ 42	88	See Note (1)
NW10	1000	220/ 690	42/ 42	88	See Note (1)
NW12	1250	220/ 690	42/ 42	88	See Note (1)
NW16	1600	220/ 690	42/ 42	88	See Note (1)

Certificate No.

02/ 00038(E4)

Issue Date

29 May 2018

Expiry Date

28 May 2023

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Marine Technology & Engineering Services, London or Southampton
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71 Fenchurch Street, London EC3M 4BS



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RATINGS (cont.)

Circuit Breakers

Type	Rated Current (A) at 45° C	Rated Voltage (V)	Breaking Capacity Icu/Ics (kA)	Making Capacity Icm (kA)	Overcurrent Release
H1					
NW08	800	220/ 690	65/ 65	143	See Note (1)
NW10	1000	220/ 690	65/ 65	143	See Note (1)
NW12	1250	220/ 690	65/ 65	143	See Note (1)
NW16	1600	220/ 690	65/ 65	143	See Note (1)
NW20	2000	220/ 690	65/ 65	143	See Note (1)
NW25	2500	220/ 690	65/ 65	143	See Note (1)
NW32	3200	220/ 690	65/ 65	143	See Note (1)
NW40	4000	220/ 690	65/ 65	143	See Note (1)
H2					
NW08	800	220/ 440	100/ 100	220	See Note (1)
NW10	1000	220/ 440	100/ 100	220	See Note (1)
NW12	1250	220/ 440	100/ 100	220	See Note (1)
NW16	1600	220/ 440	100/ 100	220	See Note (1)
NW20	2000	220/ 440	100/ 100	220	See Note (1)
NW25	2500	220/ 440	100/ 100	220	See Note (1)
NW32	3200	220/ 440	100/ 100	220	See Note (1)
NW40	4000	220/ 440	100/ 100	220	See Note (1)
H2					
NW08	800	525/ 690	85/ 85	187	See Note (1)
NW10	1000	525/ 690	85/ 85	187	See Note (1)
NW12	1250	525/ 690	85/ 85	187	See Note (1)
NW16	1600	525/ 690	85/ 85	187	See Note (1)
NW20	2000	525/ 690	85/ 85	187	See Note (1)
NW25	2500	525/ 690	85/ 85	187	See Note (1)
NW32	3200	525/ 690	85/ 85	187	See Note (1)
NW40	4000	525/ 690	85/ 85	187	See Note (1)
L1					
NW08	800	220/ 440	150/ 150	330	See Note (1)
NW10	1000	220/ 440	150/ 150	330	See Note (1)
NW12	1250	220/ 440	150/ 150	330	See Note (1)
NW16	1600	220/ 440	150/ 150	330	See Note (1)
NW20	2000	220/ 440	150/ 150	330	See Note (1)

RATINGS (cont.)

Circuit Breakers

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LRO31:1.2016.06

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Type	Rated Current (A) at 45° C	Rated Voltage (V)	Breaking Capacity Icu/Ics (kA)	Making Capacity Icm (kA)	Overcurrent Release
<i>L1</i>					
NW08	800	525	130/ 130	286	See Note (1)
NW10	1000	525	130/ 130	286	See Note (1)
NW12	1250	525	130/ 130	286	See Note (1)
NW16	1600	525	130/ 130	286	See Note (1)
NW20	2000	525	130/ 130	286	See Note (1)
<i>L1</i>					
NW08	800	690	100/ 100	220	See Note (1)
NW10	1000	690	100/ 100	220	See Note (1)
NW12	1250	690	100/ 100	220	See Note (1)
NW16	1600	690	100/ 100	220	See Note (1)
NW20	2000	690	100/ 100	220	See Note (1)
<i>H1</i>					
NW40 b	4000	220/ 690	100/ 100	220	See Note (1)
NW50	5000	220/ 690	100/ 100	220	See Note (1)
NW63	6300	220/ 690	100/ 100	220	See Note (1)
<i>H2</i>					
NW40 b	4000	220/ 440	150/ 150	330	See Note (1)
NW50	5000	220/ 440	150/ 150	330	See Note (1)
NW63	6300	220/ 440	150/ 150	330	See Note (1)
<i>H2</i>					
NW40 b	4000	525	130/ 130	286	See Note (1)
NW50	5000	525	130/ 130	286	See Note (1)
NW63	6300	525	130/ 130	286	See Note (1)
<i>H2</i>					
NW40 b	4000	690	100/ 100	220	See Note (1)

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NW50	5000	690	100/ 100	220	See Note (1)
NW63	6300	690	100/ 100	220	See Note (1)
H3					
NW20	2000	220/ 440	150/ 150	330	See Note (1)
NW25	2500	220/ 440	150/ 150	330	See Note (1)
NW32	3200	220/ 440	150/ 150	330	See Note (1)
NW40	4000	220/ 440	150/ 150	330	See Note (1)
H3					
NW20	2000	525	130/ 130	286	See Note (1)
NW25	2500	525	130/ 130	286	See Note (1)
NW32	3200	525	130/ 130	286	See Note (1)
NW40	4000	525	130/ 130	286	See Note (1)
H3					
NW20	2000	690	100/ 100	220	See Note (1)
NW25	2500	690	100/ 100	220	See Note (1)
NW32	3200	690	100/ 100	220	See Note (1)
NW40	4000	690	100/ 100	220	See Note (1)

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RATINGS (cont.)

Load Switch Disconnectors

Type	Rated Current (A) at 45° C	Rated Voltage (V)	Short Time Withstand Current I _{cw} /1sec (kA) / 3 sec.	Making Capacity I _{cm} (kA)
NA				
NW08	800	220/ 690	42	88.2
NW10	1000	220/ 690	42	88.2
NW12	1250	220/ 690	42	88.2
NW16	1600	220/ 690	42	88.2
HA				
NW08	800	220/ 690	50/ 36	105
NW10	1000	220/ 690	50/ 36	105
NW12	1250	220/ 690	50/ 36	105
NW16	1600	220/ 690	50/ 36	105
NW20	2000	220/ 690	50/ 36	105

HA				
NW25	2500	220/ 690	55/ 55	121
NW32	3200	220/ 690	55/ 55	121
NW40	4000	220/ 690	55/ 55	121
HA				
NW40 b	4000	220/ 690	85/ 85	187
NW50	5000	220/ 690	85/ 85	187
NW63	6300	220/ 690	85/ 85	187

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Type	Rated Current (A) at 45° C	Rated Voltage (V)	Short Time Withstand Current I _{cw} /1sec (kA) / 3 sec.	Making Capacity I _{cm} (kA)
HF				
NW08	800	220/ 690	85/ 50	187
NW10	1000	220/ 690	85/ 50	187
NW12	1250	220/ 690	85/ 50	187
NW16	1600	220/ 690	85/ 50	187
NW20	2000	220/ 690	85/ 75	187
NW25	2500	220/ 690	85/ 75	187
NW32	3200	220/ 690	85/ 75	187
NW40	4000	220/ 690	85/ 75	187

Note (1)

Micrologic Control Units

2.0 - 5.0 - 6.0 - 7.0 A

5.0 - 6.0 - 7.0 P

5.0 - 6.0 - 7.0 H

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

The attached Design Appraisal Document No. 02/ 00038(E4) and its supplementary Type Approval Terms and Conditions form part of this Certificate

All other details remain as the previous Certificate No. 02/ 00038(E2), 02/ 00038(E3) to which this extension should be attached.

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