



Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	Schneider Electric Industries SAS
Address	35 RUE JOSEPH MONIER, RUEIL MALMAISON, 92500, France
Place of Production	SCHNEIDER ELECTRIC INDUSTRIES ITALIA S.p.A Corso Italia 115, Casavatore, 80020, Italy
Place of Production	Schneider Electric Alpes ZI Alpespace, Voie Isaac Newton, Francin, 73800, France
Place of Production	SCHNEIDER SHANGHAI POWER DISTRIBUTION ELEC. APP. CO LTD 833 Kang Qiao Road Pudong Area, Shanghai, 201315, China
Type	Circuit Breaker
Description	Low voltage moulded-case circuit-breaker, 3 and 4 poles, fixed and draw out type, equipped with MicroLogic trip- units - manually operated Compact NS630b-1600 type N, H, L, LB ComPacT NS630b-1600 type N, H, L, LB For detailed product description, pls. refer to appendix
Trade Name	Compact NS630b-1600 and ComPacT NS630b-1600
Application	Marine, Offshore and Industrial applications for use in environmental

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Matthias Karg

Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

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categories ENV1, ENV2 and ENV3 as defined in Lloyd's Register Type Approval System, Test Specification Number 1 – 2002.

Specified Standard	IEC 60947-1: 2020 IEC 60947-2: 2016 + A1: 2019 IACS E10 Rev. 8: 2021
Ratings	For detailed ratings, pls. refer to the appendix.
Additional Tests	Flame retardant acc. IEC 60695-11-5 (ComPacT NS630b-1600)
Other Conditions	For ambient temperature above 40 °C derating acc. to manufacturer's derating table must be observed. Assembly of ComPacT NS630b-1600 can also be carried out in further Schneider Electric Industries - Local Adaption Centers acc. to manufacturer's declaration "ComPacT NS630b-1600_industrial organization and factory audit_2022-03-15.pdf" Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations. If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.

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.

Previous Version: This certificate supersedes certificate number LR21438244TA-02 issued on

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01 February 2022 which is hereby cancelled.

The Design Appraisal Document HPC1662172-22/MK and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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Appendix

DESCRIPTION

Compact / ComPacT NS^{① ②}

- ① Indicates the current rating
- ② Indicates the breaking capacity:
 - N: indicates Normal type
 - H: indicates Heavy duty types
 - L, LB: indicates current Limiting type

Compact NS630b type N, H, L, LB
 Compact NS800 type N, H, L, LB
 Compact NS1000 type N, H, L
 Compact NS1250 type N, H
 Compact NS1600 type N, H

ComPacT NS630b type N, H, L, LB
 ComPacT NS800 type N, H, L, LB
 ComPacT NS1000 type N, H, L
 ComPacT NS1250 type N, H
 ComPacT NS1600 type N, H

RATINGS

Frequency 50/60 Hz
 Degree of pollution 3
 Impulse withstand voltage U_{imp} 8 kV
 Rated insulation voltage U_i (V) 1.000 V

Type		Rated current [A]	Operational voltage [VAC]	Breaking capacity I _{cu} [kA] / I _{cs} [kA]	Withstand capacity I _{ov} [kA]		Utilisation category
		at 40 °C	50/60 Hz		1s	3s	
NS630b	N	630	220 / 240	85 / 50	19.2	--	B
NS800		800	380 / 415	50 / 50			
NS1000		1000	440	50 / 50			
NS1250		1250	500 / 525	40 / 40			
			660 / 690	30 / 30			
NS1600	N	1600	220 / 240	85 / 37	19.2	--	B
			380 / 415	50 / 37			
			440	50 / 37			
			500 / 525	40 / 30			
			660 / 690	30 / 22			



RATINGS (continued)

Type		Rated current [A]	Operational voltage [VAC]	Breaking capacity I _{cu} [kA] / I _{cs} [kA]	Withstand capacity I _{ov} [kA]		Utilisation category
		at 40 °C	50/60 Hz		1s	3s	
NS630b NS800 NS1000 NS1250	H	630 800 1000 1250	220 / 240 380 / 415 440 500 / 525 660 / 690	85 / 50 70 / 50 65 / 50 50 / 40 42 / 30	19.2	--	B
NS1600	H	1600	220 / 240 380 / 415 440 500 / 525 660 / 690	85 / 37 70 / 37 65 / 37 50 / 30 42 / 22	19.2	--	B
NS630b NS800 NS1000	L	630 800 1000	220 / 240 380 / 415 440 500 / 525	150 / 150 150 / 150 130 / 130 100 / 100	--	--	A
NS630b NS800	LB	630 800	220 / 240 380 / 415 440 500 / 525 660 / 690	200 / 200 200 / 200 200 / 200 100 / 100 75 / 75	--	--	A

Trip Unit Type		SW version
Micrologic	2.0 / 5.0 / 6.0	No FW
Micrologic	2.0A / 5.0A / 6.0A	V01.029
Micrologic	2.0E / 5.0E / 6.0E	V01.0.16
Micrologic	5.0P / 6.0P	08_284 (2014AQ)*