



Lloyd's  
Register

## Type Approval Certificate

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

This certificate is issued to:

<b>PRODUCER</b>	Schneider Electric Industries SAS 35 rue Joseph Monier – CS-30323 92506 Rueil-Malmaison France
<b>DESCRIPTION</b>	Low voltage moulded case circuit breaker 3 and 4 poles, fixed and draw out type
<b>TYPES</b>	Compact NS
<b>APPLICATION</b>	Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in LR Test Specification No. 1: 2002
<b>STANDARD</b>	IEC 60947-1:2007 + A1:2010 + A2:2014 EN 60947-2:2006 + A2:2013

<b>Certificate No.</b>	17/20097
<b>Issue Date</b>	10 October 2017
<b>Expiry Date</b>	12 November 2021
<b>Sheet</b>	1 of 5



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**RATINGS**

NS-types manual operated

Type	Rated current [A]	Operational voltage	Breaking capacity $I_{cu}$ [kA] / $I_{cs}$ [%]	Withstand capacity $I_{cw}$ [kA]		Utilisation category
				1s	3s	
	at 25° C	[VAC, 50/60 Hz]	for power factor 0.2/ 0.25			
NS 630b NS 800 NS 1000 N NS 1250	630 800 1000 1250	220 / 240 380 / 415 440 500 / 525 660 / 690	85 / 50 50 / 50 50 / 50 40 / 40 30 / 30	19.2	--	B
NS 1600 N	1600	220-240 380-415 440 500-525 660-690	85 / 37 50 / 37 50 / 37 40 / 30 30 / 22	19.2	--	B
NS 630b NS 800 H	630 800	220-240 380-415 440 500-525 660-690	85 / 50 70 / 50 65 / 50 50 / 40 42 / 30	19.2	--	B

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**RATINGS continued**

NS-types manual operated

Type	Rated current [A]	Operational voltage	Breaking capacity $I_{cu}$ [kA] / $I_{cs}$ [%]	Withstand capacity $I_{cw}$ [kA]		Utilisation category
				1s	3s	
		at 25° C	[VAC, 50/60 Hz]	for power factor 0.2/0.25		
NS 1000 NS 1250	H 1000 1250	220-240 380-415 440 500-525 660-690	85 / 52 70 / 52 65 / 48 50 / 37 42 / 31	19.2	--	B
NS 1600	H 1600	220-240 380-415 440 500-525 660-690	85 / 37 70 / 37 65 / 37 50 / 30 42 / 22	19.2	--	B
NS 630b NS 800 NS 1000	L 630 800 1000	220-240 380-415 440 500-525	150 / 150 150 / 150 130 / 130 100 / 100	--	--	A
NS 630b NS 800	LB 630 800	220-240 380-415 440 500-525 660-690	200 / 200 200 / 200 200 / 200 100 / 100 75 / 75	--	--	A

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**RATINGS continued**

NS-types electrical operated

Type	Rated current [A]	Operational voltage	Breaking capacity $I_{cu}$ [kA] / $I_{cs}$ [%]	Withstand capacity $I_{cw}$ [kA]		Utilisation category
				1s	3s	
	at 25° C	[VAC, 50/60 Hz]	for power factor 0.2/0.25			
NS 630b NS 800 NS 1000 N NS 1250 NS 1600	630 800 1000 1250 1600	220 / 240 380 / 415 440 500 / 525 660 / 690	50 / 37 50 / 37 50 / 37 40 / 30 30 / 22	19.2	--	B
NS 630b NS 800 NS 1000 H NS 1250 NS 1600	630 800 1000 1250 1600	220-240 380-415 440 500-525 660-690	70 / 37 70 / 37 65 / 37 50 / 30 42 / 22	19.2	--	B
NS 630b NS 800 NS 1000 L	630 800 1000	220-240 380-415 440 500-525	150 / 150 150 / 150 130 / 130 100 / 100	--	--	A

Control units for all types:

Micrologic 2.0

Micrologic 2.0 A version V01.029

Micrologic 2.0 E version V01.0.16

Micrologic 5.0

Micrologic 5.0 A version V01.029

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Control units for all types continued:

- Micrologic 5.0 E version V01.0.16
- Micrologic 5.0 P version 08\_261
- Micrologic 6.0
- Micrologic 6.0 A version V01.029
- Micrologic 6.0 E version V01.0.16
- Micrologic 6.0 P version 08\_261
- Micrologic 7.0 A version V01.029
- Micrologic 7.0 P version 08\_261

**OTHER CONDITIONS** Derating for ambient temperature above 25°C according manufacturer's derating table.

**PLACE OF PRODUCTION** Schneider Electric Industries Italia S.p.A  
Corso Italia 115  
80020 Casavatore  
Italia

Schneider Shanghai Power Distribution Elec. App. Co. Ltd  
Pudong  
Kang Qiao Road 833  
201315 Shanghai  
China

*The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.*

*The Design Appraisal Document No. HTS/ETS 35949-17 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

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