

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	Siemens AG
Address	Siemensstraße 10, Regensburg, 93055, Germany
Place of Production	OEZ s.r.o. Šedivská 339, Letohrad, 561 51, Czech Republic
Type	Switches - Ac
Description	refer to the Appendix for details
Trade Name	3NP11
Application	Marine and offshore applications for use in environmental categories ENV1 and ENV2 as defined in Lloyd's Register's Type Approval System Test Specification No. 1 - 2002.
Specified Standard	IEC 60947-1:2007+AMD1:2010+AMD2:2014 IEC 60947-3:2008+AMD1:2012+AMD2:2015 IEC60947-5-1:2016
Ratings	refer to the Appendix for details
Additional Tests	Dry heat (70°C/ 16hrs)

Thorsten Wolff

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

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

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Type Approval Certificate

Low temperature (-25°C/16 hrs)

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: 12-20004(E1)-02

The Design Appraisal Document HPC1762013-22/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Appendix

TYPES

Types	Utilization Category	Rated Voltage Ue Volts	Rated Current Ie Amperes	Thermal Current Ith Amperes	Rated conditional short-circuit current with fuses [kA]	
					(a) = rated current	(b) = permissible let-through current of fuses, peak value
3NP11①3-②③④					(a)	(b)
① = frame size: 2 = NH 000 (100A)	AC-21B	690	100	100	80	10
	AC-22B	690	50	50	80	10
	AC-23B	690	25	25	80	10
3 = NH 00 (160A)	AC-21B	690	160	160	80	15
	AC-22B	690	125	125	80	15
	AC-23B	690	35	35	80	15
4 = NH 1 (250A)	AC-21B	690	250	250	50	25
	AC-22B	690	250	250	50	25
	AC-23B	690	100	100	50	25
5 = NH 2 (400A)	AC-21B	690	400	400	50	40
	AC-22B	690	400	400	50	40
	AC-23B	690	125	125	50	40
6 = NH 3 (630A)	AC-21B	690	630	630	50	50
	AC-22B	690	500	500	50	50
	AC-23B	690	200	200	50	50
② = type of mounting: 1CA, 1CF, 1DA, 1BB, 1BC, 1JB, 1JC						
③ = type of terminal: 1, 2						
④ = type of fuse monitoring: 0, 1, 2, 3, 5						

Accessories

3NP19①3-1②

① = frame size: 2, 3, 4, 5, 6

② = type of accessory: BA00, BB10, BB20, BC00, BE10, BE20, BF10, BF20, BF30, BF40, BF50, BG10, BG40, CA10, CB00, CC00, CD00, CF00, DA00, EA00, EB00, FA00, FB00, GA00, GB10, GB20, GB30, GB50, HA00