

## 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** **ABB Switzerland Ltd**

**Address** Low Voltage Products, Fulachstrasse 150, Schaffhausen, 8201, Switzerland

**Type** Circuit Breaker

**Description** Circuit Breaker  
Auxiliary Contacts for External Display  
Combined Auxiliary and Signal Contact for External Display

Types  
Series S800S  
S800-AUX  
S800-AUX/ALT

**Trade Name** ABB Series S800S

**Application** Marine, offshore and industrial applications for use in environmental categories ENV1 and ENV2 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – 2002.

**Specified Standard** IEC 60947-2: 2016  
IEC 60947-5-1: 2016

**Ratings** Series S800S:  
Rated operational voltage (Ue): 240V/415V and 400V/690V  
Number of poles: 1P, 2P, 3P & 4P

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Rated current (In):	0.5 A up to 125 A
Range of instantaneous tripping overcurrent (curve):	B, C, D and K
Rated frequency:	50 Hz / 60 Hz
Rated short-circuit capacity (Icu):	50 kA (240 V / 415 V) 4.5 kA / 6 kA (400V / 690 V)
Rated service short-circuit current (Ics):	40 kA (240 V / 415 V) 3 kA / 4 kA (400 V / 690 V)
Rated insulation voltage (Ui):	690 V
Rated impulse withstand voltage (Uimp):	8 kV

S800-AUX/ALT and S800-AUX:	
Rated operational voltage (Ue):	Max. 400 VAC / 250 VDC
Rated insulation voltage (Ui):	690 V
Rated impulse withstand voltage (Uimp):	6 kV
Conventional free air thermal current (Ith):	6 A
Utilization category:	AC-15: 6A/240V; 2A/400V DC-13: 4A/24V; 2A/60V; 1.1A/125V; 0.55A/250 V
Rated conditional short-circuit current (Ics):	1 kA
Backup protection:	Circuit breaker series S450, 6 A C curve

<b>Additional Tests</b>	Low temperature (5°C/ 2 hours) Dry heat (70°C/2 hours)
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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:** 06/20037 (E2)

The Design Appraisal Document HPC1762174-22/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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