



**TYPE APPROVAL CERTIFICATE**  
No. **ELE480422CS**

**This is to certify** that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	<b>Circuit breaker and auxiliary contacts</b>
<i>Type</i>	<b>S800S and auxiliary contacts AUX &amp; AUX/ALT</b>
<i>Applicant</i>	<b>ABB Switzerland Ltd Fulachstrasse 150 8201 Schaffhausen SWITZERLAND</b>
<i>Manufacturer</i>	<b>ABB Switzerland Ltd</b>
<i>Place of manufacture</i>	<b>Fulachstrasse 150 8201 Schaffhausen SWITZERLAND</b>
<i>Reference standards</i>	<b>IEC 60947-1:2020; IEC 60947-2:2016 IEC 60947-5-1:2016</b>

*Issued in* **Genoa** on **January 11, 2023**. *This Certificate is valid until* **January 11, 2028**

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**RINA Services S.p.A.**  
**Luigi Benedetti**

This certificate consists of this page and 1 enclosure

**TYPE APPROVAL CERTIFICATE**  
**No. ELE480422CS**  
**Enclosure - Page 1 of 3**  
**S800S and auxiliary contacts AUX & AUX/ALT**

**Components**

Circuit breaker type **S80**     **S-**              
(1) (2) (3) (4)

- (1) Number of poles: 1, 2, 3 or 4
- (2) Instantaneous tripping type: B, C, D or K
- (3)/(4) Rated current  $I_n$ : 10, 13, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125 A (@40°C)

Circuit Breaker type	S80 <u>   </u> S- <u>   </u> <u>   </u> <u>   </u>	
Rated Voltage ( $U_e$ )	<b>V</b>	415
Rated Current ( $I_n$ )	<b>A</b>	10-125
Ambient temperature	<b>°C</b>	40
Rated Frequency	<b>Hz</b>	50/60
Rated service short circuit breaking capacity ( $I_{cs}$ )	<b>kA</b>	40
Rated ultimate short circuit breaking capacity ( $I_{cu}$ )	<b>kA</b>	50
Rated short circuit making capacity ( $I_{cm}$ )	<b>kA</b>	105
Power factor		0.25
Utilization Category		A
Pollution degree		3

Circuit Breaker type	S80 <u>   </u> S- <u>   </u> <u>   </u> <u>   </u>			
Rated Voltage ( $U_e$ )	<b>V</b>	440		
Rated Current ( $I_n$ )	<b>A</b>	10-80	100	125
Ambient temperature	<b>°C</b>	40		
Rated Frequency	<b>Hz</b>	50/60		
Rated service short circuit breaking capacity ( $I_{cs}$ )	<b>kA</b>	22.5	15	5
Rated ultimate short circuit breaking capacity ( $I_{cu}$ )	<b>kA</b>	30		
Rated short circuit making capacity ( $I_{cm}$ )	<b>kA</b>	63		
Power factor		0.25	0.3	0.7
Utilization Category		A		
Pollution degree		3		

**Enclosure - Page 2 of 3**  
**S800S and auxiliary contacts AUX & AUX/ALT**

Circuit Breaker type	S80 __ S- __ __ __			
Rated Voltage ( $U_e$ )	V	500		
Rated Current ( $I_n$ )	A	10-63	10-80	100-125
Ambient temperature	°C	40		
Rated Frequency	Hz	50/60		
Rated service short circuit breaking capacity ( $I_{cs}$ )	kA	11	8	5
Rated ultimate short circuit breaking capacity ( $I_{cu}$ )	kA	15	15	10
Rated short circuit making capacity ( $I_{cm}$ )	kA	30	30	17
Power factor		0.3	0.5	0.7
Utilization Category		A		
Pollution degree		3		

Circuit Breaker type	S80 __ S- __ __ __		
Rated Voltage ( $U_e$ )	V	690	
Rated Current ( $I_n$ )	A	10-80	100-125
Ambient temperature	°C	40	
Rated Frequency	Hz	50/60	
Rated service short circuit breaking capacity ( $I_{cs}$ )	kA	4	3
Rated ultimate short circuit breaking capacity ( $I_{cu}$ )	kA	6	4.5
Rated short circuit making capacity ( $I_{cm}$ )	kA	9	6.6
Power factor		0.8	0.9
Utilization Category		A	
Pollution degree		3	

**Accessories:**

Auxiliary contact type s800-AUX and combined auxiliary/signal contact type S800-AUX/ALT.

- Utilization category AC-15: rated operational current/rated operational voltage of the control circuit device: 6A/240V; 2A/400V.
- Utilization category DC-13: rated operational current/rated operational voltage of the control circuit device: 4A/24V; 2A/60V; 1.1A/125V; 0.55A/250V.

**Enclosure - Page 3 of 3**  
**S800S and auxiliary contacts AUX & AUX/ALT**

**Reference documents:**

RINA Certificate ELE238617CS  
Offerta 2022/23936 dated 17/11/2022

**Test Reports:**

IECEE CB Scheme BE-9385 (IEC 60947-2:2016)  
IECEE CB Scheme BE-8451 (IEC 60947-5-1:2016)

**Note:**

On board reference ambient temperature is 45°C: admissible rated current value to be considered accordingly.

**Genoa 11/01/2023**