



**TYPE APPROVAL CERTIFICATE**  
No. **ELE327323CS**

**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>S800P</b>  |
| <i>Applicant</i>            | <b>ABB Switzerland Ltd<br/>Fulachstrasse 150<br/>8201 Schaffhausen<br/>SWITZERLAND</b>              |
| <i>Manufacturer</i>         | <b>ABB Switzerland Ltd</b>  |
| <i>Place of manufacture</i> | <b>Fulachstrasse 150<br/>8201 Schaffhausen<br/>SWITZERLAND</b>                                      |
| <i>Reference standards</i>  | <b>IEC 60947-2:2016 +A1:2019; RINA Rules for the classification of ships Pt C Ch.3 Sec6 Table 1</b> |

*Issued in* **Genoa** on **February 19, 2024**. *This Certificate is valid until* **February 18, 2029**

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

This certificate consists of this page and 1 enclosure

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**S800P**

Product References:

MCB Series S800P

### B Characteristic

| 1 pole     | 2 pole     | 3 pole     | 4 pole     | le pole [A] |
|------------|------------|------------|------------|-------------|
| S801P-B63  | S802P-B63  | S803P-B63  | S804P-B63  | 63          |
| S801P-B80  | S802P-B80  | S803P-B80  | S804P-B80  | 80          |
| S801P-B100 | S802P-B100 | S803P-B100 | S804P-B100 | 100         |
| S801P-B125 | S802P-B125 | S803P-B125 | S804P-B125 | 125         |

### C Characteristic

| 1 pole     | 2 pole     | 3 pole     | 4 pole     | le pole [A] |
|------------|------------|------------|------------|-------------|
| S801P-C63  | S802P-C63  | S803P-C63  | S804P-C63  | 63          |
| S801P-C80  | S802P-C80  | S803P-C80  | S804P-C80  | 80          |
| S801P-C100 | S802P-C100 | S803P-C100 | S804P-C100 | 100         |
| S801P-C125 | S802P-C125 | S803P-C125 | S804P-C125 | 125         |

### D Characteristic

| 1 pole     | 2 pole     | 3 pole     | 4 pole     | le pole [A] |
|------------|------------|------------|------------|-------------|
| S801P-D63  | S802P-D63  | S803P-D63  | S804P-D63  | 63          |
| S801P-D80  | S802P-D80  | S803P-D80  | S804P-D80  | 80          |
| S801P-D100 | S802P-D100 | S803P-D100 | S804P-D100 | 100         |
| S801P-D125 | S802P-D125 | S803P-D125 | S804P-D125 | 125         |

### K Characteristic

| 1 pole     | 2 pole     | 3 pole     | 4 pole     | le pole [A] |
|------------|------------|------------|------------|-------------|
| S801P-K63  | S802P-K63  | S803P-K63  | S804P-K63  | 63          |
| S801P-K80  | S802P-K80  | S803P-K80  | S804P-K80  | 80          |
| S801P-K100 | S802P-K100 | S803P-K100 | S804P-K100 | 100         |
| S801P-K125 | S802P-K125 | S803P-K125 | S804P-K125 | 125         |

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## S800P

| Ratings   |    |                                |
|---|----|--------------------------------|
| Rated operational Voltage ( $U_e$ )                         | V  | 240/415                        |
| Number of poles   |    | 1, 2, 3 & 4                    |
| Rated Current ( $I_n$ )                                     | A  | 63 up to 125                   |
| Range of instantaneous tripping overcurrent (curve)         |    | B, C, D, K                     |
| Nature of supply  |    | AC                             |
| Rated frequency   | Hz | 50/60                          |
| Rated ultimate short circuit breaking capacity ( $I_{cu}$ ) |    | 50 kA (240V/415V)              |
| Rated service short circuit breaking capacity ( $I_{cs}$ )  |    | 40 kA (240V/415V)              |
| Suitability for isolation                                   |    | Yes                            |
| Method of operation   |    | independent manual operation   |
| Rated insulation voltage ( $U_i$ )                          |    | 690                            |
| Rated impulse withstand Voltage ( $U_{imp}$ )               |    | 6 kV                           |
| Distance metal screen to terminals                          |    | 100 (Top)/ 25mm (Bottom)       |
| Distance metal screen to side circuit-breaker               |    | 0 mm                           |
| Rated ambient temperature                                   |    | 30°C for B, C, D / 40 °C for K |

### Test Reports:

SGS Report number 63309001/00 to 63309001/28 (03/2023)  
SQS Certificate Reg. No. 10812  
IEC IEE BE-11090 (28-04-2023)  
CENELEC Certification Agreement no. CCA/B4/2023  
Technical datasheet 9AKK108468A0873 May 2023

### Reference documents:

Offer 2023/22037 accepted on 12/09/2023  
TAO APP dated 03/07/2023  
<https://leodrawplus.rina.org/transmittals/114170/detail>

### Note:

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

**Genoa 19/02/2024**