



TYPE APPROVAL CERTIFICATE
No. **ELE037324CS**

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>	Circuit Breaker and Switch disconnectors
<i>Type</i>	AIR CIRCUIT BREAKER MASTERPACT NT : NT 06/08/10/12/16 H1 NT 06/08/10/12/16 H2 NT 06/08/10 L1
<i>Applicant</i>	SWITCH-DISCONNECTOR MASTERPACT NT : NT 06/08/10/12/16 HA SCHNEIDER ELECTRIC INDUSTRIES SAS 31 RUE PIERRE MENDÈS Eybens 38050 Grenoble
<i>Reference standards</i>	Rules for the Classification of Ship - Machinery, Systems and Fire Protection Pt C, Ch 3, Sec 6, Table 1; IEC 60947-2:2016 +A1:2019; IEC 60947-3:2020

Issued in **Genoa** on **February 27, 2024**. *This Certificate is valid until* **February 26, 2029**

RINA Services S.p.A.
Luigi Benedetti

This certificate consists of this page and 1 enclosure

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MASTERPACT

Materials/Components

Model H1	NT06	NT08	NT10	NT12	NT16
Rated Voltage (Ue)	up to 690V				
Impulse withstand voltage (Uimp)	12kV				
Insulation Voltage (Ui)	1000V				
Rated Current (In)	630A	800A	1000A	1250A	1600A
Reference temperature	40°C				
Rated Frequency	50/60Hz				
Rated service short circuit breaking capacity (Ics)	42kA at 220/415V 42kA at 440V 42kA at 525V 42kA at 690V				
Rated ultimate short circuit breaking capacity (Icu)	42kA at 220/415V 42kA at 440V 42kA at 525V 42kA at 690V				
Rated short circuit making capacity (Icm)	88kA at 220/415V 88kA at 440V 88kA at 525V 88kA at 690V				
Rated short-time withstand current (Icw)	42kA up to 1s 24kA up to 3s				

Model H2	NT06	NT08	NT10	NT12	NT16
Rated Voltage (Ue)	up to 690V				
Impulse withstand voltage (Uimp)	12kV				
Insulation Voltage (Ui)	1000V				
Rated Current (In)	630A	800A	1000A	1250A	1600A
Reference temperature	40°C				
Rated Frequency	50/60Hz				
Rated service short circuit breaking capacity (Ics)	50kA at 220/415V 50kA at 440V 42kA at 525V 42kA at 690V				
Rated ultimate short circuit breaking capacity (Icu)	50kA at 220/415V 50kA at 440V 42kA at 525V 42kA at 690V				
Rated short circuit making capacity (Icm)	105kA at 220/415V 105kA at 440V 88kA at 525V 88kA at 690V				
Rated short-time withstand current (Icw)	42kA up to 1s 20kA up to 3s				

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Model L1	NT06	NT08	NT10
Rated Voltage (Ue)	up to 525V		
Impulse withstand voltage (Uimp)	12kV		
Insulation Voltage (Ui)	1000V		
Rated Current (In)	630A	800A	1000A
Reference temperature	40°C		
Rated Frequency	50/60Hz		
Rated service short circuit breaking capacity (Ics)	150kA at 220/415V 130kA at 440V 100kA at 525V		
Rated ultimate short circuit breaking capacity (Icu)	150kA at 220/415V 130kA at 440V 100kA at 525V		
Rated short circuit making capacity (Icm)	330kA at 220/415V 286kA at 440V 220kA at 525V		

Model HA	NT06	NT08	NT10	NT12	NT16
Rated Voltage (Ue)	up to 690V				
Impulse withstand voltage (Uimp)	12kV				
Insulation Voltage (Ui)	1000V				
Rated operational Current (Ie)	630A	800A	1000A	1250A	1600A
Reference temperature	40°C				
Rated Frequency	50/60Hz				
Rated short circuit making capacity (Icm)	75kA at 220V 75kA at 440V 75kA at 525/690V				
Rated short-time withstand current (Icw)	36kA up to 1s 20kA up to 3s				

Test Reports and certifications:

IEC test reports:

- N° 2011990020 dated 2020/10/26 related to H1,H2 and L1 series.
- N° 22119Y90042 dated 2022/11/24 related to HA series.

IACS test reports:

- N° 2266478.01 dated 2022/04/21.
- N° 201100250_011,007 dated 2011/09/23.
- N° VIBR040108A dated 17/12/04.
- N° 2266490.0501 dated 2022/07/11.

ISO 9001 certificates:

- N° FR081935 dated 07/07/2023

Reference documents

- Declaration of equivalence by the manufacturer.
 - TAO-APP dated 05/03/2024.
 - Offer N° 2024/2489 dated 25/01/2024
 - Production control audit report N. 2023/SV/01/760 dated 17/04/2024
- The above-mentioned documents have been archived in the Leonardo Draw Plus portal under the project:
<https://leodrawplus.rina.org/projects/41729/detail>*

Genoa February 27, 2024