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Certificate No: LR2268622TA Issue Date: 28/03/2022 Expiry Date: 24/03/2027

## **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 SpA

**Address** via Pescaria, 5, Bergamo, Italy, 24123, Italy

**Place of Production** ABB S.p.A. - ABB SACE Division

Via E. Fermi 40, Frosinone, 03100, Italy

**Type** Circuit Breakers (Env Tested)

**Description** 3-poles moulded circuit breakers equipped with thermomagnetic and

electronic release.

 Tmax T6N 630
 Tmax T6N 800

 Tmax T6S 630
 Tmax T6S 800

 Tmax T6H 630
 Tmax T6H 800

 Tmax T6L 630
 Tmax T6L 800

Equipped with:

PR 221 DS, PR 222 DS, PR 223 DS, PR 222 MP, PR 223 EF, TMA

(See appendix)

**Trade Name** Tmax T6, N/S/H/L

**Application** Marine, Offshore and Industrial use for protection, isolation and switching of

electrical circuits.

For use in environmental categories ENV1, ENV2 and ENV3 as detailed in LR

Maurizio Crucil

TTSO Senior Specialist to Lloyd's Register

EMEA

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Test Specification No.1:2020.

**Specified Standard** IEC 60947-1:2007 + A1:2021 + A2:2014

IEC 60947-2:2006 + A1:2009 + A2:2013

Ratings Poles: 3

Size: 630/800 A
Rated Current In: 630 - 800 A
Rated Operational Voltage Ue: 690VAC
Frequency: 50 - 60 Hz

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:** 07/00018 (E3)

The Design Appraisal Document LR2268622DA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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<u>Appendix</u>						
Tmax T6			N	S	Н	L
Ultimate Breaking Capacity Icu						
	380/415 Vac	[kA]	36	50	70	100
	440 Vac	[kA]	30	45	50	80
	690 Vac	[kA]	20	22	25	30
Service Breaking Capacity Ics						
	380/415 Vac	[kA]	36	50	70	75
	440 Vac	[kA]	30	45	50	80
	690 Vac	[kA]	15	17	19	23
Making Capacity Icm						
	380/415 Vac	[kA]	75.6	105	154	220
	440 Vac	[kA]	63	94.5	105	176
	690 Vac	[kA]	40	46	52.5	63
Short-time Withstand Current Icw						
	1s – size 630A	[kA]	7.6	7.6	7.6	7.6
	1s – size 800A	[kA]	10	10	10	10
Utilization Category (IEC 60947-2)			В	В	В	В
Release Units:	Thermomag	netic		TMA		
Electronic				PR221DS – PR222DS – PR223DS PR222MP – PR223EF		

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