

## 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.

<b>Manufacturer</b>	<b>ABB SpA</b>
<b>Address</b>	via Pescaria, 5, Bergamo, Italy, 24123, Italy
<b>Place of Production</b>	ABB S.p.A. - ABB SACE Division Via E. Fermi 40, Frosinone, 03100, Italy
<b>Type</b>	Circuit Breakers (Env Tested)
<b>Description</b>	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)
<b>Trade Name</b>	Tmax T6, N/S/H/L
<b>Application</b>	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

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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.

### Appendix

Tmax T6				N	S	H	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)				B	B	B	B
Release Units:		Thermomagnetic Electronic			TMA PR221DS – PR222DS – PR223DS PR222MP – PR223EF		