

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 Oy, Distribution Solutions
Address	Muottitie 2A, Vaasa, 65320, Finland
Type	Relays - Electronic Monitors
Description	Feeder protection relay REF630 Generator and Interconnection Protection Relay REG630 Motor Protection Relay REM630 Transformer Protection Relay RET630
Trade Name	630 Series - Protection relay
Application	Marine, applications for use in environmental categories ENV1 and ENV2 as defined in Lloyd's Register Type Approval System, Test Specification No. 1: 2013
Specified Standard	IEC60255-1:2009 (subclause 6.5) IEC60255-21-1, Ed 1.0 IEC60255-21-2, Ed 1.0

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Ratings	Refer to Appendix for details
Additional Tests	IEC60529:1989/AMD2:2013
Other Conditions	<p>The complete installation and function is subject to separate plan appraisal according applicable Rules and Regulations, when installed on LR classed vessels.</p> <p>If used in marine and offshore applications for safety critical functions leading to stop of machinery, back up means independent of Rex630 series are to be provided unless an LR Software Conformity Certificate could be provided.</p> <p>Equipment has to comply with IACS E10 Rev.7 when intended to be installed on ships contracted for construction on or after 1st January 2022.</p>

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.

The Design Appraisal Document DAD HTS/ETS 40829 -21/AHB/AC and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Appendix

TPE

630 Serie - Protection relay

Feeder protection relay REF630; Verion 1.3

Generator and Interconnection Protection Relay REG630; Verion 1.3

Motor Protection Relay REM630; Verion 1.3

Tranformer Protection Relay RET630; Verion 1.3

Software Verion: 1.3

Energizing input		
Frequency f	50 and 60 Hz	
Rated current In	0.1 to 0.5A with residual current	
Rated current In	1 to 5A with phase currents or residual current	
Rated voltage Un	100, 110, 115, 120 V A	
	Type 1 (600PSM03)	Type 2 (600PSM02)
Nominal auxiliary voltage Un	100, 110, 120, 220, 240 V A, 50 and 60 Hz 110, 125, 220, 250 V D	48, 60, 110, 125 V D