



Lloyd's
Register

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.

This certificate is issued to:

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| PRODUCER | ABB Oy Distribution Solutions Muottitie 2A 65320 Vaasa Finland |
| DESCRIPTION | Protection relay |
| TYPE | RE①620② according following selection types for type codes ①= Types: F: Feeder M: Motor T: Transformer ②= Product Version: Feeder: E_G1, 2.0 FP1 and C_G1, 2.0 FP1 Motor: E_G1, 2.0 FP1 and C_G1, 2.0 FP1 Transformer: E_G1, 2.0 FP1 and C_G1, 2.0 FP1 Software version: 2.1.x |
| APPLICATION | Marine, offshore and industrial applications for use in environmental categories ENV1 and ENV2 as defined in Lloyd's Register Type Approval System, Test Specification Number 1 May 2018. For installation in "General Power Distribution Zones". |

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| Certificate No. | 19/20036 |
| Issue Date | 21 May 2019 |
| Expiry Date | 20 May 2024 |
| Sheet | 1 of 2 |



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| STANDARD | Manufactures' specification: |
| RATINGS | Power supply Uaux nominal: Type 1: 100, 110, 120, 220, 240 V, 50/60 Hz 48, 60, 110, 125, 220, 250 V d.c Type 2: 24, 30, 48, 60 V d.c |
| OTHER CONDITIONS | The complete installation and function is subject to separate plan appraisal according applicable Rules and Regulations, when installed on LR classed vessels. If used in marine and offshore applications for safety critical functions leading to stop of machinery, back up means independent of REX620 series are to be provided unless an LR Software Conformity Certificate could be provided. |
| PLACE OF PRODUCTION | ABB Oy Distribution Solutions Muottitie 2A 65320 Vaasa Finland |

The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.

The Design Appraisal Document No. HTS/ETS 38235-19 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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