Certificate No: LR26509387TA
Issue Date: 03/11/2026
Expiry Date: 27/05/2031

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 AG – STOTZ-KONTAKT**
Address	Eppelheimer Str. 82, Heidelberg, 69123, Germany
Place of Production	CICOR MAROC lot 14- Zone Industrielle Massira I, Temara, 12000, Morocco
Type	Relays - Electronic Monitors
Description	Interface Relays and Optocouplers R600 range

TYPES
Relay modules:
RB 121, G, P, PG, R
RB 122 G
RB 111, R
RB 101 R
RBR 121, G, P, R
RBR 122 G
RBR 111, R
RBR 101 R

Optocoupler modules:
OBIC 0100
OBOC 2000, 5000
OBOA 1000, 2000
OBRIC 0100
OBROC 2000, 5000

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Electrical & Control - Senior Specialist to
Lloyd's Register EMEA
A member of the Lloyd's Register group

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Type Approval Certificate

OBROA 1000, 2000

Trade Name

RB, RBR, OBIC, OBOC, OBRIC, OBROC and OBROA

Application

Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – 2002.

Specified Standard

EN 60947-5-1:2017 + AC:2020-05
Manufacturer's specification

Ratings

Relay Modules:
Input Voltage: 5 to 230 V AC/DC
potential free output contacts: 5 to 230 V AC/DC
1 mA to 12 A

Optocoupler Modules Types:
Input Voltage: 5 to 230 V AC/DC
potential free static outputs: 5 to 58 V DC
1 mA to 5 A
24 V to 400 V AC (OBOA 1000, OBROA 1000)
1 mA to 5 A

Other Conditions

The outputs of OBOC 2000 and OBROC 2000 are not to be directly connected to circuits containing switched inductive loads.
Cables exceeding 10 m in length to be shielded when connected to outputs of OBIC 0100 and OBRIC 0100 or overvoltage protection to be provided to limit the voltage to 1 kV common mode and 0,5 kV differential mode.

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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: LR2296264TA

The Design Appraisal Document TSO-26-069903/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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