Certificate No: LR26238477TA
Issue Date: 27/05/2026
Expiry Date: 21/04/2031

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	ABB AG – STOTZ-KONTAKT Eppelheimer Str. 82, Heidelberg, 69123, Germany
Place of Production	ABB BULGARIA EOOD 1 Varna str., Petrich, 2850, Bulgaria
Place of Production	ABB Xinhui Low Voltage Switchgear Co., Ltd. Jinguzhou Industrial Development Zone, Xinhui Dist., Jiangmen, Guangdong, 529100, China
Type	Motor Starters
Description	Manual motor starters with additional auxiliary contacts Refer to the Appendix for further details.
Trade Name	MS165 and MO165
Application	Marine, offshore and industrial applications for use in environmental categories ENV 1, ENV 2 and ENV 3 as defined in Lloyd's Register's Type Approval System, Test Specification No. 1 - July 2015.

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Thorsten Wolff

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

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Type Approval Certificate

Specified Standard

IEC 60947-2: 2016/AMD1:2019
IEC 60947-4-1: 2018

Ratings

	Operational current Ie [A]	Operational power kW at 400V
MS165-16	10 – 16	7.5
MS165-20	14 – 20	7.5
MS165-25	18 – 25	11
MS165-32	23 – 32	15
MS165-42	30 – 42	22
MS165-54	40 – 54	22
MS165-65	52 – 65	30
MS165-73	62 - 73	37
MS165-80	70 - 80	45
MO165-16	16	7.5
MO165-20	20	7.5
MO165-25	25	11
MO165-32	32	15
MO165-42	42	22
MO165-54	54	22
MO165-65	65	30
MO165-73	73	37
MO165-80	80	45

Max. insulationvoltage Ui: 1000V
Max. impulse voltage Uimp: 8kV
Max. operating voltage Ue: 690 VAC

Additional Tests

Low temperature test (-25°C/16h)

Other Conditions

Ratings for application in hazardous areas are to be obtained from the applicable Ex Certificates.

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Type Approval Certificate

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.

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: LR22131008TA

The Design Appraisal Document TSO-26-060242/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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