



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 08/10040(E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	LSIS Co., Ltd.
PLACE OF PRODUCTION	95, Baekbong-ro, Heungdeok-gu, Cheongju-si, Chungcheongbuk-do, Korea, 361-720
DESCRIPTION	Manual Motor Starter
TYPE	MMS-32S, 32H, 32HI MMS-63S, 63H, 63HI MMS-100S, MMS-100H, MMS-100HI
APPLICATION	Marine and offshore applications for use in environmental categories ENV2 and ENV3 as defined in LR Type Approval System, Test Specification No. 1-2002. Utilization Category : A / AC-3
DESIGN CODE	IEC60947-2 (Amendment 1, Edition 4.0), IEC60947-4-1 (Edition 3.0)

Certificate No.	08/10040(E2)
Issue Date	15 July 2013
Expiry Date	14 July 2018
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H. Murase
Yokohama Technical Support Office
Lloyd's Register Group Limited

Lloyd's Register Group Limited
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RATINGS

Type	Utili- zation Cate- gory	Motor Rating 3 phase, 50/60 Hz a.c.			Breaking Capacity Icu / Ics 240 & 460 V (kA)	Release Mechanism
		Operational Voltage Ue (V)	Output (KW)	Operational Current Ie (A)		
MMS-32S	A/AC-3	Up to 690	Up to 7.5 (230V) Up to 22 (690V)	0.16 - 32	30 / 22 (240V) 6 / 4 (460V)	Thermal & Magnetic
MMS-32H					100 / 100 (240V) 20 / 15 (460V)	
MMS-32HI						Magnetic
MMS-63S			Up to 15 (230V) Up to 55 (690V)	10 - 63	50 / 38 (240V) 10 / 8 (460V)	Thermal & Magnetic
MMS-63H					100 / 100 (240V) 35 / 27 (460V)	
MMS-63HI						Magnetic
MMS-100S			Up to 30 (230V) Up to 90 (690V)	17 - 100	100 / 100 (240V) 40 / 30 (460V)	Thermal & Magnetic
MMS-100H					100 / 100 (240V) 50 / 38 (460V)	
MMS-100HI						Magnetic

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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 Group Limited of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. 08/10040(E2) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 08/10040(E1) to which this extension should be attached.

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