



**TYPE APPROVAL CERTIFICATE**  
**No. ELE207015PU/003**

**This is to certify** that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	<b>Contactors and thermal overload relay</b>
<i>Type</i>	<b>MT-12/32/63/95/150/225/400/800</b>
<i>Applicant</i>	<b>LSIS CO., LTD. CHEONG JU PLANT 95, BAEKBONG-RO, HEUNGDEOK-GU, 28439 CHEONGJU-SI, CHUNGCHONGBUK-DO REPUBLIC OF KOREA</b>
<i>Manufacturer</i>	<b>LSIS CO., LTD. CHEONG JU PLANT</b>
<i>Place of manufacture</i>	<b>95, BAEKBONG-RO, HEUNGDEOK-GU, 28439 CHEONGJU-SI, CHUNGCHONGBUK-DO REPUBLIC OF KOREA</b>
<i>Reference standards</i>	<b>IEC 60947-4-1</b>

*Issued in* **BUSAN** on **October 30, 2015**. *This Certificate is valid until* **October 29, 2020**



**RINA Services S.p.A.**  
**Dominic Suk**

This certificate consists of this page and 1 enclosure.

This certificate annuls and replaces previous certificate No. ELE028310PU/003 dated October 30, 2010.



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MT-12/32/63/95/150/225/400/800

## Product Description

- Thermal Overload Relay METASOL type applicable to the marine environment with following rating :

Type	Rated Insulation Voltage Ui [V]	Setting Range [A]	Reference Document
MT-12	690	0.1 ~ 18	LSIS PT&T Test Report No. R410-1291 dated 24/08/2010
MT-32	690	0.1 ~ 40	LSIS PT&T Test Report No. R410-1292 dated 24/08/2010
MT-63	690	4 ~ 65	LSIS PT&T Test Report No. R410-1293 dated 24/08/2010
MT-95	690	7 ~ 100	LSIS PT&T Test Report No. R410-1294 dated 24/08/2010
MT-150	690	34 ~ 150	LSIS PT&T Test Report No. R410-1295 dated 24/08/2010
MT-225	690	65 ~ 240	LSIS PT&T Test Report No. R410-1296 dated 24/08/2010
MT-400	690	85 ~ 400	LSIS PT&T Test Report No. R410-1297 dated 24/08/2010
MT-800	690	200 ~ 800	LSIS PT&T Test Report No. R410-1298 dated 24/08/2010

- Marking: MT-XX / □  
XX : Frame Size  
□ : 2H-Non-differential(2 heater),3H-Non-differential(3 heater),3K-Differential,3D-Class 20
- Number of poles : 3
- Method of operation : Thermal (Bi-metal)

## Reference Documents

- LSIS PT&T Test Report No. R410-1291~1298 dated 25/08/2010  
KEMA Test Certificate No. 2123631.53/54/55/56 dated 19/08/2009  
KEMA Test Certificate No. NL-31652/A1 dated 26/06/2014  
Asbestos free declaration : LSIS's letter dated 12 August 2015  
LSIS PT&T Test Report No. R415-2022/2023/2024 dated 08~09/09/2015

## Note/Remark

- The product is subject to the compliance with RINA Rules and other Standards mentioned on certificate.
- Type Approval certifies that a representative sample of the product has been found to meet the applicable design criteria.
- Any modification or change shall not be valid until approval is granted by RINA as a result of due assessment.

\* This certificate annuls and replaces previous certificate No. ELE028310PU/003 dated October 30, 2010.

**BUSAN October 30, 2015**

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