

## TYPE APPROVAL CERTIFICATE

### 형 식 승 인 증 서

**Certificate No.** : TJN00429-EL025 **Date of Approval** : 14th August, 2007.  
**Product** : Manual Motor Starter  
**Manufacturer** : LS Industrial Systems Co., Ltd.  
 1, Songjung-dong, Hungduk-gu, Cheongju-si, Korea

**Product Description** : Type : MMS-32S, MMS-32H, MMS-32HI, MMS-63S, MMS-63H, MMS-63HI,  
 MMS-100S, MMS-100H, MMS-100HI  
 No. of pole : 3  
 Rated operational Voltage(Ue) : Up to 690V  
 Rated frequency : 50/60Hz  
 Protection degree : IP20  
 Temperature compensation : -5 to +40°C  
 Application : Circuit Breaker used as manual motor starter

" See Appendix 1 & 2 "

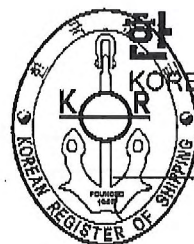
**Approval Condition** : 1. This approval is granted on the basis of Test report No.  
 2038108.51~56 issued by KEMA Quality B.V. and R47-0740~0743 issued  
 by PT&T and Drawing No. 070 500 3300~4800(2), 070 500 0100~3200(2),  
 070 600 0100~2700(2), 070 700 0100 ~ 070 700 3000.  
 2. Product Certification is not required.

**THIS IS TO CERTIFY** that the above-mentioned product has been approved  
 in accordance with the relevant requirement of this Society's Rules and / or of the recognized  
 standards as follows and entered in the "List of Approved Manufacturers and Type Approved  
 Equipment".

Pt. 6, Ch. 1, Art. 803 of the Rules for Classification, Steel Ships and IEC 60947-1, IEC 60947-2,  
 IEC 60947-4-1.

This Certificate is valid until 13th August, 2012.

Issued at Daejeon, Korea on 14th August, 2007.



한국선급  
 KOREAN REGISTER OF SHIPPING

*Park Moon-kyu*

Park Moon-kyu  
 General Manager of  
 Materials and Equipment Team

**Note** : 1 : The approval will be automatically suspended and the Certificate become invalid from the expiry date of the Certificate in  
 the event that the extension has not been granted or is not under attendance for completion of the renewal survey.  
 2 : The manufacturer should notify this Society of any modification or changes that may affect the validity of this Certificate.