



# Type Approval Certificate

[ Magnetic Contactor ]

**Initial Approval** 18 October 2010  
**Manufacturer** DAERYUK Co., Ltd.  
 #530, Samkye-Ri, Phokog-Eup, Cheoin-Gu, Yongin-City, Kyunggi-Do, Korea

**Product Description** Type : MC9, MC12, MC18, MC22, MC40, MC48, MC50, MC65, MC75  
 MC85, MC100, MC125, MC150, MC180, MC220, MC300, MC400

- Rated Operational Voltage (Ue) : 220/440 V AC
- Rated Frequency : 50/60 Hz
- Utilization Category : AC-3

" See Appendix 1 "

**Approval Condition** " See Appendix 1 "

**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.

Pt. 6, Ch. 1, Art. 109 of the Rules for Classification, Steel Ships & IEC 60947-4-1

This Certificate is valid until 30 August 2028

Issued at Seoul, Korea on 31 August 2023



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME23038052622) and certificate No.(SEL25596-EL001).



**KOREAN REGISTER**

*General Manager of  
Seoul Branch Office*

- Note :**
1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
  2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
  3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
  4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.

## Product Description and/or Approval Condition

Date of Issue : 31 August 2023

### 1. Product Description ;

Type	Rated Insulation Voltage (V)	Rated Operational Power (kW)	Rated Operational Current (A)	Rated Thermal Current (A)	Approved Drawing No.
		220 V / 440 V	220 V / 440 V		
MC 9	690	2.5 / 4	11 / 9	25	MC009a 0001
MC 12	690	3.5 / 5.5	13 / 12	25	MC009a 0001
MC 18	690	4.5 / 7.5	18 / 18	40	MC009a 0001
MC 22	690	5.5 / 11	20 / 20	40	MC009a 0001
MC 32	690	7.5 / 15	32 / 26	50	MC048a 0001
MC 40	690	11 / 18.5	40 / 35	60	MC048a 0001
MC 48	690	11 / 18.5	48 / 35	70	MC048a 0001
MC 50	690	15 / 22	50 / 48	80	MC085a 0001
MC 65	690	18.5 / 30	65 / 65	100	MC085a 0001
MC 75	690	22 / 37	75 / 75	110	MC085a 0001
MC 85	690	25 / 45	80 / 80	135	MC085a 0001
MC 100	690	30 / 55	100 / 100	160	MC0125a 0001
MC 125	690	37 / 60	125 / 125	160	MC0125a 0001
MC 150	690	45 / 75	150 / 150	210	MC0150a 0001
MC 180	690	55 / 90	180 / 180	230	MC0220a 0001
MC 220	690	75 / 132	220 / 220	275	MC0220a 0001
MC 300	690	90 / 160	300 / 300	350	MC0400a 0001
MC 400	690	125 / 200	400 / 400	450	MC0400a 0001

### 2. Approval Condition ;

- 1) This approval is granted on the basis of the test report nos. DQ10090-01/02/03/04/05/06/07 issued by DAERYUK CO., Ltd. and R107R-004/005 issued by ONETECH Corp. and CT10-3548 issued by Korea Environment & Merchandise Testing Institute and 13602873.001 ~ 13602879.001 issued by TUV Rheinland.
- 2) The product or packing is to be marked with manufacturer name and type designation on a suitable position.
- 3) Individual Product Certification is not required.

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