



TYPE APPROVAL CERTIFICATE

Certificate No. : GCH00857-EL002 **Initial Approval** : 20th March, 1984
Product : Electromagnetic Contactors
Manufacturer : Dong A Electric Device Ind. Co., Ltd.
74, Dadae-ro 137beon-gil, Saha-gu, Busan

Product Description : Type : DMS 5(DMC 5), DMS 7(DMC 7), DMS 9b(DMC 9b),
DMS 12(DMC 12), DMS 12b(DMC 12b), DMS 15(DMC 15),
DMS 18b(DMC 18b), DMS 20(DMC 20), DMS 22(DMC 22),
DMS 22b(DMC 22b), DMS 32b(DMC 32b)-MUF 25HB,
DMS 40b(DMC 40b)-MUF 35HB, DMS 48b(DMC 48b),
DMS 50(DMC 50), DMS 65(DMC 65), DMS 85(DMC 85),
DMS 100(DMC 100), DMS 125(DMC 125), DMS 150(DMC 150),
DMS 180(DMC 180), DMS 220(DMC 220), DMS 300(DMC 300)

" See Appendix 1 & 2 "

Approval Condition : Individual 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.

Pt. 6, Ch. 1, Art. 109 of the Rules for Classification, Steel Ships.

This Certificate is valid until 19th March, 2025

Issued at Gamcheon, Korea on 21st July, 2020



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 (ME20026693176) and certificate No.(GCH00857-EL002).



KOREAN REGISTER

General Manager of
Gamcheon 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.

Appendix 1

Product Description and/or Approval Condition

Certificate No : GCH00857-EL002

Date of Issue : 21st July, 2020

Product Description :

Type	Rated Voltage	Applicable Motors
DMS 5 (DMC 5)	AC 220V AC 440V	0.75kW at AC 220V 1.5 kW at AC 440V
DMS 7 (DMC 7)	AC 220V AC 440V	1.5 kW at AC 220V 2.2 kW at AC 440V
DMS 9b (DMC 9b)	AC 220V AC 440V	2.2 kW at AC 220V 2.7 kW at AC 440V
DMS 12 (DMC 12)	AC 440V AC 220V	2.2 kW at AC 220V 2.7 kW at AC 440V
DMS 12b (DMC 12b)	AC 440V AC 220V	2.2 kW at AC 220V 2.7 kW at AC 440V
DMS 15 (DMC 15)	AC 220V AC 440V	2.2 kW at AC 220V 2.7 kW at AC 440V
DMS 18b (DMC 18b)	AC 220V AC 440V	2.7 kW at AC 220V 4.0 kW at AC 440V
DMS 20 (DMC 20)	AC 220V AC 440V	3.7 kW at AC 220V 5.5 kW at AC 440V
DMS 22 (DMC 22)	AC 220V AC 440V	3.7 kW at AC 220V 5.5 kW at AC 440V
DMS 22b (DMC 22b)	AC 220V AC 440V	3.7 kW at AC 220V 5.5 kW at AC 440V
DMS 32b (DMC 32b) -MUF 25HB	AC 220V AC 440V	5.5 kW at AC 220V 11 kW at AC 440V
DMS 40b (DMC 40b) -MUF 35HB	AC 220V AC 440V	7.5 kW at AC 220V 15 kW at AC 440V
DMS 48b (DMC 48b)	AC 220V AC 440V	11 kW at AC 220V 22 kW at AC 440V
DMS 50 (DMC 50)	AC 220V AC 440V	11 kW at AC 220V 22 kW at AC 440V
DMS 65 (DMC 65)	AC 220V AC 440V	15 kW at AC 220V 30 kW at AC 440V
DMS 85 (DMC 85)	AC 220V AC 440V	19 kW at AC 220V 37 kW at AC 440V

<To be continued>

Product Description :

Type	Rated Voltage	Applicable Motors
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Appendix 1

Product Description and/or Approval Condition

Certificate No : GCH00857-EL002

Date of Issue : 21st July, 2020

DMS 100 (DMC 100)	AC 220V AC 440V	22 kW at AC 220V 45 kW at AC 440V
DMS 125 (DMC 125)	AC 220V AC 440V	30 kW at AC 220V 55 kW at AC 440V
DMS 150 (DMC 150)	AC 220V AC 440V	37 kW at AC 220V 75 kW at AC 440V
DMS 180 (DMC 180)	AC 220V AC 440V	45 kW at AC 220V 90 kW at AC 440V
DMS 220 (DMC 220)	AC 220V AC 440V	55 kW at AC 220V 110 kW at AC 440V
DMS 300 (DMC 300)	AC 220V AC 440V	75 kW at AC 220V 150 kW at AC 440V

<The End>

