



TYPE APPROVAL CERTIFICATE

Certificate No. : GCH00857-EL003 **Initial Approval** : 20th March, 1984
Product : Thermal Overcurrent Relays
Manufacturer : Dong A Electric Device Ind. Co., Ltd.
74, Dadae-ro 137beon-gil, Saha-gu, Busan

Product Description : Type : DTH 12, DTH 20, DTH 22, DTH 22b, DTH 40,
DTH 85, HRD 150D, DTH 150, HRD 180D, DTH 180,
DTH 220
" See Appendix 1 "

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 (ME20026550177) and certificate No.(GCH00857-EL003).



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-EL003

Date of Issue : 21st July, 2020

Product Description :

Type	Rated Voltage	Rated Current
DTH 12	AC 440V	0.5 ~ 14A
DTH 20	AC 440V	2.4 ~ 18A
DTH 22	AC 440V	2.4 ~ 18A
DTH 22b	AC 440V	2.4 ~ 18A
DTH 40	AC 440V	7 ~ 36A
DTH 85	AC 440V	12 ~ 80A
HRD 150D	AC 440V	34 ~ 130A
DTH 150	AC 440V	34 ~ 130A
HRD 180D	AC 440V	65 ~ 185A
DTH 180	AC 440V	65 ~ 185A
DTH 220	AC 440V	65 ~ 240A

<The End>

