



TYPE APPROVAL CERTIFICATE

Certificate No. : HMB17529-AE006 **Initial Approval** : 1st July, 2015
Product : Differential Pressure Switch
Manufacturer : Danfoss Poland Sp. z.o.o.
UI. Chrzanowska 5, PL-05-825 Grodzisk, Mazowieck, Poland

Product Description : Type : MBC 5180

- Max. Operating Pressure : 45 bar
- Operating Temperature : -10 ~ +85 °C
- Setting Range : 0.3 ~ 5 bar
- Materials(Housing/Diaphragm) : AlMgSi1 / NBR
- Degree of Protection : IP 65
- Test Report No. : MBC 3-59212 PEJ960925(01)
- Approved Drawing No. : 061 R 9001

Approval Condition : 1. This approval is granted on the basis of the approved drawings and manufacturer's environmental test report no.2007-2421.
2. The product or packing is to be marked with the manufacturer's name and type designation on a suitable position.
3. 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. 2, Art. 301 of the Rules for Classification, Steel Ships.

This Certificate is valid until 30th June, 2025

Issued at Busan, Korea on 11th August, 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 (ME20028284493) and certificate No.(HMB17529-AE006).



KOREAN REGISTER

General Manager of
Marine & Ocean Equipment Team

- 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.