



## TYPE APPROVAL CERTIFICATE

**Certificate No.** : HMB17529-AE006 **Initial Approval** : 1st July, 2015.  
**Product** : Differential Pressure Switch  
**Manufacturer** : Danfoss 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 and entered in the "List of Approved Manufacturers and Type Approved Equipment".

Pt. 6, Ch. 2, Art. 301 of the Rules for Classification, Steel Ships.

This Certificate is valid until 30th June, 2020.

Issued at Busan, Korea on 1st July, 2015.



**KOREAN REGISTER OF SHIPPING**

*General Manager of  
Marine & Ocean 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 the renewal of the Certificate is not underway.*

*2 : The manufacturer should notify this Society of any modification or changes that may affect the validity of this Certificate.*