



Type Approval Certificate

[Pressure Switch]

Initial Approval 2 May 1995

Manufacturer Danfoss Poland Sp. z o.o.
Ul. Chrzanowska 5, PL-05-825 Grodzisk, Mazowieck, Poland

Product Description Type : MBC 5100 and MBC 5180

* Danfoss in Poland is a part of Danfoss A/S, Nordborg (Denmark)

" See Appendix 1 "

- Approval Condition**
1. This approval is granted on the basis of the approved documentation and the test reports.
 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 16 January 2029

Issued at Busan, Korea on 21 February 2024



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(ME24008341706) and certificate No.(HMB17529-AE005).



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.

Product Description and/or Approval Condition

Date of Issue : 21 February 2024

1. Product Description

1) MBC 5100 Heavy duty pressure switch including premounted cable

- Pressure Range : -0.2 to 400 bar in various ranges
- Contact Load : AC15 - 0.5A, 250V
DC13 - 12W, 125V
- Test Report No. : 2007-2421 and MBC 3-94373
- Approved Drawing No. : 061B9000

2) MBC 5180 Differential pressure switch

- Max. Operating Pressure : 45 bar
 - Setting Range : 0.3 ~ 5 bar
 - Contact Load : AC15 - 0.5A, 250V
DC13 - 12W, 125V
 - Test Report No. : MBC 3-59212 PEJ960925(01)
 - Approved Drawing No. : 061R9001
- < End of Certificate >

