

To holder of DNV GL Type Approval
Certificates and their customers

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Date	Our reference	Your reference
July 2015	Geir Dugstad	NA

Information regarding cross-use of Type Approval Certificates

Herewith we would like to inform you that according to the DNV GL rules the majority of Type Approval Certificates are now accepted for cross-use. This means that a certificate issued according to one rule set will be accepted for vessels classed according to any valid DNV GL rule set (i.e. DNV rules, GL rules and DNV GL rules when published).

Existing certificates, part of cross-use, will be accepted for all DNV GL classed vessels independent on referenced rules and will remain unchanged valid until their expiring date or withdrawal.

The above is based on the DNV GL Rules for Classification No. DNVGL-RU-0050 – “General Regulations”, which states:

4.1.2 The following legacy certificates will on a general basis be accepted for cross use between the legacy rule sets.

Table 1 Certificates generally accepted *

DNV	GL	Comment
<i>Service supplier certificate of approval</i>	<i>Service supplier certificate of approval</i>	Accepted for cross-use between legacy rule sets
<i>Approval of manufacturer certificates</i>	<i>Approval of manufacturer certificates</i>	
<i>Type Approval certificates</i>	<i>Type Approval certificates</i>	Certificates will be assessed for each individual project and additional information / approval may be requested. The latter is mainly relevant for system certificates.

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* Please be advised that as soon as a common DNV GL rule set is published, all renewals and new approvals shall be based on this rule set.

If you have any further questions, please do not hesitate to contact your local DNV GL office.

Sincerely

DNV GL SE
for Division Classification



Geir Dugstad
Director, Division Classification

Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. **99 334 - 97 HH**

Company **Danfoss A/S**
Nordborgvej 81
6430 Nordborg, DENMARK

Product Description **Differential Pressure Switch**

Type **MBC 5180**

Environmental Category **D, EMC1**

Technical Data /
Range of Application **Max. operating pressure: 45 bar**
Setting range: 0.3 - 5 bar
Output: 1 c/o - contact
Rating: AC15 0.5A, 250V AC, DC13 12W, 125V
Materials: housing = AlMgSi 1, diaphragm = NBR
Degree of protection: IP65

Test Standard **Guidelines for the Performance of Type Approvals, Chapter 2, Edition 2012**

Documents **Test report: Danfoss MBC 3-59212 PEJ960925(01). appendix 1 to 10**
Technical data sheets: IC.PD.P10.K2.02 / 520B4547
Drawing: 061 R 9001

Remarks **None**

Valid until **2018-05-27**

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File No. **I.D.01**

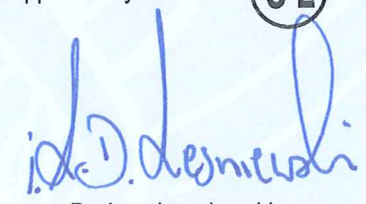
Hamburg, 2013-05-28

Type Approval Symbol



Germanischer Lloyd


Marco Rinkel


Dariusz Lesniewski

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".