



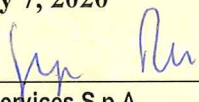
**TYPE APPROVAL CERTIFICATE**

No.  
**ELE101815XG**

**This is to certify** that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	<b>Differential pressure switches</b>
<i>Type</i>	<b>MBC 5180</b>
<i>Applicant</i>	<b>DANFOSS A/S Nordborgvej 81 DK-6430 Nordborg (office E14-S1) DENMARK</b>
<i>Manufacturer</i>	<b>DANFOSS POLAND SP. Z.O.O.</b>
<i>Place of manufacture</i>	<b>UL. CHRZANOWSKA 5 PL-05-825 GRODZISK MAZOWIECKI POLAND</b>
<i>Reference standards</i>	<b>Rules for the Classification of Ships - Part C - Machinery, Systems and fire protection - Ch.3, Sect.6, Tab.1.</b>

Issued in **HAMBURG** on **July 7, 2015**. This Certificate is valid until **July 7, 2020**

  
RINA Services S.p.A.  
**Giuseppe Russo**

This certificate consists of this page and 1 enclosure



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Enclosure - Page 1 of 1

**MBC 5180**

**Pressure switches Series MBC 5180**

$\Delta p$  setting range : 0.3 to 5 bar

Permissible operating range: max 45 bar

Operation temperature: -10 up to 85°C

Wetted part:

Housing: anodized AlMgSi1

Diaphragm: NBR

O-ring: NBR

Hole plug: Nickel plated brass

**Reference Documents:**

Differential pressure control type MBC 5080 and MBC 5180 : doc. n. DKACT.PD.P10.H2.02

Danfoss Datd Sheet: IC.P.D.P10.K3.02/520B5846

**Danfoss test reports:**

Report n. MBC 3-59212 PEJ960925 (01)

**HAMBURG July 7, 2015**



A handwritten signature in blue ink, appearing to read 'J.M. Dan'.