

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. **94 647 - 94 HH**
Company **Danfoss A/S**
Nordborgvej 81
6430 Nordborg, DENMARK

Product Description **Pressure Switch**

Type **MBC 5100 - Series**

Environmental Category **D, H, EMC1**

Technical Data /
Range of Application **Pressure Range: -0.2 to 10 bar (Low pressure bellows)**
2.0 to 30 bar (High pressure bellows)
0.5 to 25 bar (Low pressure diaphragm)
5.0 to 100 bar (High pressure diaphragm)
40 to 400 bar (High pressure piston)

*See manufacturer's data sheet for application

Output: 1 c/o - contact

Rating: 0.5 A, 250 V AC 15; 12 W, 125 V DC 13

Electrical connection: • Pg9 / Pg11 / Pg13.5 plug (DIN 43650A)

• ready assembled cable connection

Materials: housing AlMgSi1, bellows 1.4306, diaphragm Viton, piston Steel

Degree of Protection: IP65

*Env. Category 'H':

vibration test for the ready assembled cable connection version:

sinus sweep in the frequency range 25 ~ 2000 Hz, acceleration 20g

Test Standard **Guidelines for the Performance of Type Approvals, Chapter 2 - Edition 2003**

Documents **Test Reports: MBC 3-94373 appendix 1 to 10, No. 20000213, No. 20032124**
No. TR 061B-089 UK, No. 2000708, No. 2001182, No. 20042163E-6 of Danfoss
Technical Data Sheets: IK.21.C2.02, IC.PD.P10.A1.02-520B1771
Drawings: 061 R 9000 rev. 00-06-30, No. 640B0597, No. 061B0647 ver.00

Remarks **None**

Valid until **2014-04-08**

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

Hamburg, 2009-04-08

Type Approval Symbol



Germanischer Lloyd

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