



# 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.	<b>65 326 - 93 HH</b>
Company	<b>Danfoss A/S Nordborgvej 81 6430 Nordborg, DENMARK</b>
Product Description	<b>Pressure Transmitter</b>
Type	<b>MBS 33M</b>
Environmental Category	<b>D, H, EMC1</b>
Technical Data / Range of Application	<b>Power supply: 24 V DC Electrical connection: 2 - wire connection with DIN Plug 43650 or PG9-cable Pressure ranges: from 0 to 1 bar up to 0 to 600 bar in 15 standard ranges Output signal: 4 mA to 20 mA Wetted parts: AISI 316 Enclosure material: AISI 316 L Process connection: thread G 1/2 A or M 18 x 1.5, other on request (see data sheet) Absolute pressure or relative pressure transmitter available Degree of protection: IP 65 (plug version) Degree of protection: IP 67 (PG9-cable version) *Environmental Category H: Cold test: - 40 °C Vibration test: 5 Hz to 30 Hz amplitude = 5.6 mm 30 Hz to 2000 Hz acceleration = 20 g</b>
Test Standard	<b>Guidelines for the Performance of Type Approvals, Chapter 2 - Edition 2003</b>
Documents	<b>Test Reports: no. appdoc 01-25; no. TR 060G113; no. 2006-2116E-2 of Danfoss Test Report no. 2006-2116-1 of Danfoss Circuit diagram: 060C0340; Drawings: 060R3009, 060G2398 Part list 027M0024sheet 1+2; Technical data: IK.20.U2.02</b>
Remarks	<b>None</b>
Valid until	<b>2016-10-27</b>
Page	<b>1 of 1</b>
File No.	<b>I.D.01</b>
Hamburg,	<b>2011-10-28</b>

Type Approval Symbol



Burkhard Lilienthal

Dariusz Lesniewski

**Germanischer Lloyd**