

# 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. **91 032 - 84 HH**

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

Product Description **Pressure Switch**

Type **CAS 133, -136, -137, -139, -143, -145, -147, -155**

Environmental Category **D, EMC1**

Technical Data /  
Range of Application **CAS 133: 0 - 3.5 bar**  
**CAS 136: 0 - 10 bar**  
**CAS 137: 6 - 18 bar**  
**CAS 139: 10 - 36 bar**  
**CAS 143: 1 - 10 bar**  
**CAS 145: 4 - 40 bar**  
**CAS 147: 6 - 60 bar**  
**CAS 155: 0.2- 2.5 bar, differential pressure switch, max. pressure 8 bar**  
**Output: 1(2) c/o - contacts**  
**Rating AC-15/AC14 (inductive load): 0.1A, 220V AC**  
**Rating DC-13 (inductive load): 12W, 125V DC**  
**Degree of protection: IP 67**

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

Documents **Test reports: 60 - 763, 960354**  
**Drawings: 060 R 0251, 060 R 0253, 060 R 0033 - 36, 060 R 0044, 060 R 252**  
**Data sheet: IC.PD.P10.G5.01 / 520B5113**

Remarks **None**

Valid until **2018-05-27**

Page **1 of 1**

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".