



## TYPE APPROVAL CERTIFICATE

No.  
**ELE004815XG**

**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>Pressure transmitters</b>
<i>Type</i>	<b>EMP2</b>
<i>Applicant</i>	<b>DANFOSS A/S Nordborgvej 81 DK-6430 Nordborg DENMARK</b>
<i>Manufacturer</i>	<b>DANFOSS (TIANJIN) LTD. - INDUSTRIAL AUTOMATION</b>
<i>Place of manufacture</i>	<b>BUSINESS UNIT WUQUING DEVELOPMENT AREA, 9 QUANHUI ROAD 31700 TIANJIN CHINA</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 **January 7, 2015**. This Certificate is valid until **January 7, 2020**

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

This certificate consists of this page and 1 enclosure



TYPE APPROVAL CERTIFICATE

No.

ELE004815XG

Enclosure - Page 1 of 1

EMP2

EMP 2 two-wire pressure transmitter

Operating temperature	-10 to +70°C
Media temperature	up to 100°C
Operating pressure	-1 up to 1.5bar / 0 up to 400 bar
Power supply	12 up to 32 Vdc
Load resistance	a) max 410 ohm at 24Vdc +50% / -20% b) max 650 ohm at 24Vdc +50% / -0%
Accuracy	linearity $\leq \pm 0.3\%$ in all pressure ranges
Thermal zero point shift	$\pm 0.06\%$ FS/ °C
Thermal sensitivity (span)	$\pm 0.06\%$ FS/ °C
Voltage dependence	$\pm 0.01\%$ FS / 10V
Output signal	4-20mA
Mechanical protection	IP 67

Reference Documents:

Danfoss data sheet n° IC.PD.P20.E1.02 - 520B1742

Drawing n° 084R0250

*This certificate replace the previous certificate ELE030010CS/001*

HAMBURG January 7, 2015

