

CERTIFICATE

This certifies, that the company

Gefran S.p.A.
Via Sebina, 74
25050 Provaglio d'Iseo (BS)
Italy

Is authorized to provide the product mentioned below

Description of product: **Melt pressure sensor series ME, KE, WE, M7, K7, W7**

In accordance with: **EN ISO 13849-1:2015**
EN ISO 13849-2:2012

Registration No 21 22065 01
Test Report No PS-22065-21-L
File reference 22065-01



TÜV NORD Italia S.r.l. (TÜV NORD Group)
Via Turati, 70 - 20023 Cerro Maggiore (MI)



www.tuev-nord.it

Validity
from 2021-10-29
until 2024-10-29

Cerro Maggiore, 2021-10-29
prodotto@tuev-nord.it

Please also pay attention to the information stated overleaf

TNI-QF(IND-SIL-01)-14-Rev00_01_03_2020-Certificate_Type A

ANNEX

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To Certificate-Nr. 21 22065 01

Safety functions	1. Correct reading and transduction of pressure in the measuring chamber to individuate overpressure in the chamber itself and the signalling of the overtaking of the safety set point. Reading and transduction is considered correct when it is within the specifications declared in the datasheet and in the operating manual
Mode of operation	High Demand Mode

Parameter	Results	
	Value	Measuring Unit
Category	2	--
DC _{avg}	Low	--
MTTF _D		
Current output	74	Years
Voltage output	73	Years
Relay output	72	Years
PFH _D		
Current output	1,54E-06	1/h
Voltage output	1,56E-06	1/h
Relay output	1,60E-06	1/h
PL	c	--

The product can be declared as compliant to:	EN ISO 13849-1:2015, EN ISO 13849-2:2012 PL c
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Remarks:	<ul style="list-style-type: none"> Considering the above values, the product can be used up to PL c as a single device These result must be considered in combination with PL and MTTF_D values of other devices of a safety-related system in order to determine suitability for a specific Performance Level (PL)
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