

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 M, K, W**

In accordance with: **IEC/EN 62061:2005 + A1:2013 + A2:2015 + EN 62061 / EC:2010**
IEC 61508:2010
IEC 61511-1:2016 + A1:2017, IEC 61511-2/3:2016 (as far as applicable)

Registration No 21 22064 01
Test Report No PS-22064-21-L-01
File reference 22064-01



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



www.tuev-nord.it

Validity
from 2021-12-22
until 2024-12-22

Cerro Maggiore, 2021-12-22
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 22064 01

Safety functions	1. Correct measurement and transduction of the pressure reading, within the specifications declared in the datasheet and in the operating manual, by comparison with a fixed upper threshold
Mode of operation	High Demand Mode

Parameter	Results	
	Value	Measuring Unit
Architecture	1001	--
HFT	0	--
β factors	0,05 (when using the product in 1002 architecture)	--
λ_{DD}		
Current output	7,83E-07	1/h
Voltage output	7,83E-07	1/h
λ_{DU}		
Current output	1,51E-07	1/h
Voltage output	1,51E-07	1/h
SFF		
Current output	93,70	%
Voltage output	93,66	%
PFH / PFH _D		
Current output	1,51E-07	1/h
Voltage output	1,51E-07	1/h
Systematic Capability	2	--
SILCL (IEC/EN 62061)	2	--
SIL (IEC/EN 61508)	2	--

The product can be declared as compliant to:	IEC/EN 62061 SILCL 2, IEC/EN 61508 SIL 2
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Remarks:	<ul style="list-style-type: none"> These results must be considered in combination with SIL and λ_D values of other devices of a safety-related system in order to determine suitability for a specific SIL
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