GEFRAN BEYOND TECHNOLOGY	DICHIARAZIONE DI CONFORMITÀ UE EU CONFORMITY DECLARATION DECLARATION DE CONFORMITE EU EU KONFORMITÄTSERKLÄRUNG	

Il costruttore
The manufacturer
Le fabricant
Der Hersteller

Gefran SPA
Via Sebina, 74
25050 – Provaglio d'Iseo (BS) – Italy

Dichiara sotto la sua esclusiva responsabilità che i prodotti GEFRAN riportanti la marcatura "CE":
Declares on his own responsibility that GEFRAN products with the "CE" mark, series:
Déclare sous sa responsabilité que les produits GEFRAN avec le marquage "CE":
Erklärt hiermit, dass die GEFRAN - Produkte mit "CE" - Kennzeichnung:

Rectilinear displacement transducers, series
PMI
Special execution 339

Con estensione a tutti i modelli descritti dalla seguente sigla di ordinazione:
With extension to all the models described from the following order code:
Avec l'extension à tous les modèles décrits dans le code de commande suivante:
Mit der Erweiterung auf alle Modelle in der folgenden Reihenfolge Code beschrieben:

PMI – A – B – C – D – E

ORDER CODE CONFIGURATION	
Field "A"	12
Field "B"	F
Field "C"	Model (4 digits)
Field "D"	X, M
Field "E"	XXX if present for customised versions

- sono in accordo con le Direttive Comunitarie e con la relativa legislazione nazionale di recepimento
- are manufactured according with the Community Directives and the related National Legislation of concepition
- ont été fabriqué selon les Directives Communautaires et avec la relative législation national de conception
- mit den im folgenden genannten Richtlinien übereinstimmen

α) **2011/65/EU and its amendments - Restriction of the use of certain hazardous substances (RoHS)**

- e che sono state applicate le seguenti (parti/articoli di) norme armonizzate
- *and that the following (parts/articles of) harmonized standards and regulation have been applied*
- *et que les normes (partes/articles de) harmonizée suivantes ont été appliqués*
- die folgenden Normen Anwendung finden

α) **EN IEC 63000:2018** Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

These devices are "SIMPLE APPARATUS" according to the **EN 60079-11:2012 Standard (Electrical apparatus for potentially explosive atmospheres - Intrinsic safety "i"), clause 5.7.a.**

The above-mentioned products are composed of a resistive track of different electrical stroke and lengths, glued on a printed circuit board; the electrical signal is supplied to the external circuits through contact wipers.
The linear displacement transducers guarantee an insulation of 500 Vac x 60 seconds from ground; their own capacity and inductance are negligible.
The foreseen maximum characteristics of power supply are the following:

Ui = 15 V – Ii = 40 mA – Pi = 150 mW

Temperature class / maximum superficial temperature:

T6 / T85°C (Ambient temperature –20°C / + 60°C)
T5 / T100°C (Ambient temperature –20°C / + 80°C)
T4 / T135°C (Ambient temperature –20°C / + 100°C)

These devices do not contain own ignition sources which may cause an explosion; they can therefore be used in hazardous location with presence of gas (group IIA, IIB, IIC) and combustible dust (group IIIA, IIIB, IIIC).
They must be supplied by associated apparatus [Ex ia] (diode safety barriers with galvanic insulation) which respect the following limits

Uo = 15 V – Io = 40 mA – Po = 150 mW

Warning Electrostatic Hazard: clean with wet clothes or antistatic product.

CE Marking date: 26.08.2024

Date:	BU Manager Marcello Perini
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