

**DICHIARAZIONE DI CONFORMITÀ UE**  
**EU CONFORMITY DECLARATION**  
**DECLARATION DE CONFORMITE EU**  
**EU KONFORMITÄTSEKLRÄRUNG**

Il costruttore  
 The manufacturer  
 Le fabricant  
 Der Hersteller

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

Dichiaro 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**  
**LT, LT67,PC,PC67,PK, PA1, PY1, PY2, PY3, PZ12, PZ34,PZ67,PME, PMA, PMI**  
**"0339X000X00"**  
**and their special executions**

- 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 conception
- ont été fabriqué selon les Directives Communautaires et avec la relative législation nationale de conception
- mit den im folgenden genannten Richtlinien übereinstimmen

α) 2011/65/EU 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) harmonisée suivantes ont été appliqués
- die folgenden Normen Anwendung finden

α) EN 50581:2012 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:

$$U_i = 15 \text{ V} - I_i = 20 \text{ mA} - P_i = 75 \text{ mW}$$

Temperature class / maximum superficial temperature:

T6 / T85°C (Ambient temperature -20°C / + 40°C)

T5 / T100°C (Ambient temperature -20°C / + 60°C)

T4 / T135°C (Ambient temperature -20°C / + 80°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

$$U_o = 15 \text{ V} - I_o = 20 \text{ mA} - P_o = 75 \text{ mW}$$

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

Date:

20.04.2016

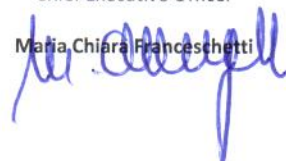
Bu Manager

Marcello Perini



Chief Executive Officer

Maria Chiara Franceschetti



<b>Gefran spa</b>			
Via Sebina, 74 25050 Provaglio d'Iseo (BS) Italy	Tel. +39 030 9888.1 Fax +39 030 9839063 www.gefran.com info@gefran.com	Cap. Soc. € 14.400.000 i.v. Reg. Imprese Brescia 03032420170 R.E.A. 313074 BS	N. Mecc. BS 016227 C.F. 03032420170 P.IVA (TVA-VAT-MWS) IT03032420170