

EC Declaration of Conformity according to ISO/IEC22 EN 45014

G.M. International S.r.l.

Declares that Cable Model:
CABF012

When connecting the D1063S Load Cell Isolating Repeater defined by the following entity parameters:

$$U_o = 17.3 \text{ V} \quad I_o = 199.6 \text{ mA} \quad P_o = 864 \text{ mW}$$

| Gas Group | Co/Ca | Lo/La | Lo/Ro |
|-----------|----------|---------|---------------------|
| IIC | 0.351 uF | 0.85 mH | 41.2 uH / Ω |
| IIB | 2.058 uF | 3.40 mH | 164.8 uH / Ω |
| IIA | 8.498 uF | 6.80 mH | 329.6 uH / Ω |

to field installed load cells defined by entity parameters not worse than the following:

$$U_i = 17.3 \text{ V} \quad I_i = 199.6 \text{ mA} \quad P_i = 864 \text{ mW} \quad C_i = 20 \text{ nF} \quad L_i = 30 \text{ uH}$$

with a maximum cable length **NOT EXCEEDING** the limits defined in the following table:

| Gas Group | 1 load cell | 2 load cells in parallel | 4 load cells in parallel |
|-----------|-------------|-----------------------------|-----------------------------|
| IIC | 400 | 400 | 400 |
| IIB | 1000 | 700 | 500 |
| IIA | 1000 | 700 | 500 |

Note: the distances allow also a connection between any load cell and the junction box not exceeding 30 m.

complies with the requirements of the following standards:

IEC 60079-11:2006 Equipment protection by intrinsic safety 'i' (Including evaluations required by sub-clause 10.1.5.2: Circuits with both inductance and capacitance).
EN 50020:2002 Electrical apparatus for explosive gas atmospheres – Intrinsic safety

This Declaration does not amend, supersede or, in any way, exclude the compliance to any applicable International and/or National Regulatory Requirement

Villasanta, 26 October 2010.



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