

ATEX II 3 G Certificate

RELC11ATEX1010X

We, Relcom, hereby declare that the following equipment complies with Directive 2014/34/EU (ATEX):

F3xx[-y][-zz] and F97

xx : indicates the number of spurs (04, 08, or 12)

-y : -T for optional built-in terminator,
blank for no built-in terminator

-zz : blank for standard screw terminal connectors

-PC for pluggable spring clamp connectors

-PD for pluggable insulation displacement connectors

F97: The F97 is an accessory for the F3xx products. It is certified as part of the F3xx certification; however, it is not marked to be a stand-alone certified product.

Manufactured by:

Relcom Inc., 2221 Yew St., Forest Grove, OR, 97116, USA

Eaton Electric Limited, Great Marlings, Butterfield, Luton Beds. LU2 8DL. UK

Authorized Representative in the EU:

Eaton Electric Limited, Great Marlings, Butterfield, Luton Beds. LU2 8DL. UK

This equipment fulfills all the requirements for Group II, Category 3 G equipment in accordance with Directive 2014/34/EU. The equipment complies with:

EN 60079-0:2012/A11:2013

EN 60079-11:2012

EN 60079-15:2010

The design is documented in the Relcom Technical File No. 502-460.

Manufacture is internally controlled by a Quality System modeled after ISO 9001:2008 and EN ISO/IEC 80079-34:2011.

The apparatus is designed to be installed and used in accordance with EN 60079-14.

The ambient operating temperature range is -50°C to +70°C.

The safety markings, **Ex nA [ic] IIC T4 Gc**, **Ex nA IIC T4 Gc**, and **Ex ic IIC T4 Gc**, of the apparatus are specified in the Technical File (Document No. 502-460) and includes the distinctive community marks:



General notes

- The 'nA' relates to the option of using a non-arcing trunk and spurs.
- The 'ic' relate to the energy-limited spurs and the alternative use of an energy-limited trunk.

Notes for **Ex nA [ic] IIC T4 Gc**

- The permitted input parameters from the trunk are: U_i (gas group IIC): 24V, U_i (gas groups IIB, IIA): 32V, I_i : 2A, L_i and C_i are negligible.
- The parameters of the energy limited spur are: The voltage U_o = Megablock input voltage. The apparatus supplying the input voltage must provide voltage limiting meeting IEC 60079-11 requirements. I_o : 56mA, L_o (gas group IIC): 0.15mH, L_o (gas groups IIB, IIA): 0.26mH, C_o : 80nF.

Notes for **Ex nA IIC T4 Gc**

- The permitted input parameters from the trunk are: U_i : 32V, I_i : 2A.

Notes for **Ex ic IIC T4 Gc**

- The installation shall comply with EN 60079-11.

The apparatus meets the ATEX Directive requirements for personnel protection by complying with the LVD Directive 2014/35/EU. The personnel safety standards of EN 61010-1 are also met by the apparatus.

Special Conditions of Safe Use: The apparatus is to be installed in an enclosure which maintains a minimum ingress protection rating of IP54 and meets the enclosure requirements of EN 60079-0, EN 60079-11, and EN 60079-15 as appropriate for the installation. Provisions shall be made externally to the apparatus to prevent the rated input being exceeded by transient disturbances of more than 140% of the rated voltage.

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Handwritten signature of M. Strauser in black ink.

M. Strauser
EX Representative



Relcom Inc.

INDUSTRIAL LAN | WIRING COMPONENTS AND TESTERS

Handwritten signature of C. Kelly in black ink.

C. Kelly
President

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