

ATEX II 3 GD Certificate

RELC11ATEX1010X

We, Relcom, hereby declare that the following equipment complies with Directive 94/9/EC (ATEX):

F3xx[-y][-zz] and F97

xx : indicates the number of spurs (01, 04, 08, or 12)

-y : -T for optional built-in terminator,
blank for no built-in terminator and the F301

-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

Measurement Technology Limited, Great Marlings, Butterfield, Luton Beds. LU2 8DL.
UK

Authorized Representative in the EU:

Measurement Technology Limited, Great Marlings, Butterfield, Luton Beds. LU2 8DL.
UK

This equipment fulfills all the requirements for Group II, Category 3 GD equipment in accordance with Directive 94/9/EC. The equipment complies with:

EN 60079-0:2006, 2009
EN 60079-11:2007
EN 60079-15:2005, 2010
EN 60079-27:2008

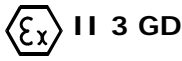
The design is documented in the Relcom Technical File No. 502-460.

Manufacture is internally controlled by a Quality System modeled after ISO 9001:2008 and EN13980:2002.

The apparatus is designed to be installed and used in accordance with EN 60079-14:2008.

The ambient operating temperature range is -40°C to +70°C (-40°C to +85°C for the F301).

The safety markings, **Ex nA [nL] IIC T4**, **Ex nA [ic] IIC T4** (except the F301), and , **Ex ic IIC T4** 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 'nL' and 'ic' relate to the energy-limited spurs and the alternative use of an energy-limited trunk.

Notes for **Ex nA [nL] IIC T4**

- The permitted input parameters from the trunk are: U_i : 32V, I_i : 2A, L_i and C_i are negligible.
- The parameters of the energy limited spur are: The voltage U_o is determined by the trunk voltage which has a maximum permitted value of 32V. I_o : 56mA, L_o : 0.26mH, C_o : 80nF.

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

- The permitted input parameters from the trunk are: U_i : 32V, I_i : 2A, L_i and C_i are negligible.
- The parameters of the energy limited spur are: The voltage U_o is 36V but may be reduced to U_o of the apparatus supplying the input voltage if the apparatus provides voltage limiting meeting EN 60079-11 requirements. I_o : 56mA, L_o : 0.26mH, C_o : 80nF.

Notes for **Ex ic IIC T4**

- The installation shall comply with EN 60079-27.

The apparatus meets the ATEX Directive requirements for personnel protection by complying with the LVD Directive 2006/95/EC. The personnel safety standards of EN 61010-1 are also met by the apparatus.

Special Conditions of Safe Use: When mounted in Zone 22 (dust) hazardous areas, the enclosure in which the apparatus is mounted should meet the requirements of EN 61242. 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 value of 32V.

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