

# ATEX II 3 G Certificate

## RELC07ATEX1002X

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

F801	8 Channel Isolated Fieldbus Module (21.5V, 350mA)
F802	8 Channel Isolated Fieldbus Module (28V, 500mA)
F822-CA	8 Channel Redundant Fieldbus Carrier - Yamatake Version - Horizontal DIN
F880-CA	8 Channel Redundant Fieldbus Carrier - Yokogawa Version - Vertical DIN
F880-CL	8 Channel Redundant Fieldbus Carrier - Yokogawa Version - Vertical DIN – Left Hand
F880-CR	8 Channel Redundant Fieldbus Carrier - Yokogawa Version - Vertical DIN – Right Hand
F880-CA-RT	8 Channel Redundant Fieldbus Carrier – Yokogawa Version – Vertical DIN – Ring Term
F882-CA	8 Channel Redundant Fieldbus Carrier - Yokogawa Version - Horizontal DIN
F890-CA	8 Channel Redundant Fieldbus Carrier - Standard Version - Vertical DIN
F892-CA	8 Channel Redundant Fieldbus Carrier - Standard Version - Horizontal DIN
F822-[2-]P*	8 Channel Redundant Fieldbus Power Supply - Yamatake Version – Horiz. DIN
F880-[2-]P*	8 Channel Redundant Fieldbus Power Supply - Yokogawa Version – Vert. DIN
F880-[2-]L*	8 Channel Redundant Fieldbus Power Supply - Yokogawa Vers. – Vert. DIN – Left Hand
F880-[2-]R*	8 Channel Redundant Fieldbus Power Supply - Yokogawa Vers. – Vert. DIN – Right Hand
F880-[2-]RT	8 Channel Redundant Fieldbus Power Supply – Yokogawa Vers. – Vert. DIN – Ring Term
F882-[2-]P*	8 Channel Redundant Fieldbus Power Supply - Yokogawa Version – Horiz. DIN
F890-[2-]P*	8 Channel Redundant Fieldbus Power Supply - Standard Version – Vert. DIN
F892-[2-]P*	8 Channel Redundant Fieldbus Power Supply - Standard Version - Horiz. DIN

\* = **S** for Pluggable Screw connectors, **C** for Pluggable Spring Clamp connectors.

[2-] = F802 modules are used instead of F801 modules

Other suffixes may appear in the above part numbers and are covered by this certificate.

Manufactured by:

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 fulfils all the requirements for Group II, Category 3 G equipment in accordance with Directive 94/9/EC. The equipment comply with:

EN 60079-0:2006 "Electrical apparatus for potentially explosive atmospheres - General requirements"

EN 60079-15:2005 "Electrical apparatus for potentially explosive atmospheres – Construction, test and marking of type of Protection 'n' electrical apparatus"

The design is documented in the Relcom Technical File No. 502-018

The safety marking, **Ex nA IIC T4**, of the apparatus is specified in the Technical File (Document No. 502-018) and includes the distinctive community marks:



The maximum output parameters for each of the F8xx outputs are as follows:

Simplex operation with one F801 module:	24.0V, 420mA (U <sub>o</sub> = 24.0V)
Redundant operation with two F801 modules:	24.0V, 840mA (U <sub>o</sub> = 24.0V)
Simplex operation with one F802 module:	30.0V, 580mA (U <sub>o</sub> = 30.0V)
Redundant operation with two F802 modules:	30.0V, 1160mA (U <sub>o</sub> = 30.0V)

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

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

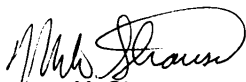
The ambient operating temperature range is -40°C to +65°C. Derate to +50°C for F802 operated above 300mA/segment (ave.).

Apparatus meets the ATEX Directive requirements for personnel protection by complying with the LVD Directive 2006/95/EC.

The personnel safety standards of EN61010-1 are also met by the apparatus.

**Special Conditions of safe use:** The Apparatus must be installed in an enclosure or an environment that ensures at least IP54 protection.

Rev: F.0 - 4/24/17

  
M. Strauser  
EX Representative

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