UK Type Examination Certificate RELC21UKEX1014X Issue A.0

United Kingdom Conformity Assessment

1. Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended).
2. Equipment

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.

3. Manufacturer Eaton Electric Limited
4. Address Great Marlings, Butterfield
   Luton Beds. LU2 8DL UK
5. The equipment is specified in the description of this certificate and the documents to which it refers.
6. Relcom, Inc., 2221 Yew Street, Forest Grove, OR, 97116, USA, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), self-certifies (as the Design Authority) that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

   The examination and test results are recorded in the confidential reports listed in Section 11.
7. If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to specific conditions of use (affecting correct installation or safe use). These are specified in Section 12.
8. This UK Type Examination certificate relates only to the design and construction of the specified equipment. Further requirements of the Regulations apply to the manufacturing process and supply of the product. These are not covered by this certificate.
9. Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN IEC 60079-0:2018 EN60079-15:2010

10. The equipment shall be marked with the following:

 II 3 G

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

The safety marking, **Ex nA IIC T4 Gc** of the apparatus is specified in the Technical File (Document No. 502-018).

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

Simplex operation with one F801 module: 24.0V, 420mA (Uo = 24.0V)
Redundant operation with two F801 modules: 24.0V, 840mA (Uo = 24.0V)
Simplex operation with one F802 module: 30.0V, 580mA (Uo = 30.0V)
Redundant operation with two F802 modules: 30.0V, 1160mA (Uo = 30.0V)

11. Certificate history and evaluation reports:

Issue	Date	Associated Confidential Report	Notes
A.0	12/20/2021	503-392	First issue.

12. Specific Conditions of 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 IEC 60079-0 and EN 60079-15 as appropriate for the installation.

M. Strauser
EX Representative

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Relcom Inc.
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