



Member of the FM Global Group

FM Approvals  
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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

### **9188, 9189, 9181. 8-segment Redundant Fieldbus Power Supplies.**

NI / I / 2 / ABCD / T4 Ta = -20°C to 60°C; - SCI-1072

I / 2 / Ex nA nC / IIC / T4 Ta = -20°C to 60°C; - SCI-1072

Specific Conditions of Use:

- 1) In Class I, Division 2 installations, the subject equipment shall be mounted within a tool-secured enclosure which is capable of accepting one or more of the Class I, Division 2 wiring methods specified in the Canadian Electrical Code (C22.2).
- 2) In Class I, Zone 2 installations, the subject equipment shall be mounted within a tool-secured enclosure which is capable of accepting one or more of the Class I, Zone 2 wiring methods specified in the Canadian Electrical Code (C22.1) and having a minimum ingress protection rating of IP54.
- 3) The installer shall ensure that the insulation of field wiring is rated for the temperatures present within the cabinet/enclosure in which the equipment is installed.
- 4) All external connections to the equipment and internal connections between the modules forming the equipment must not be inserted or removed unless either the area in which the equipment is installed is known to be non-hazardous or the circuits connected have been de-energized.
- 5) The F809F/F809F-Plus Communication Diagnostic Segment Connection must be fitted with transient protection devices to ensure that the rated voltage cannot exceed 140% of the peak rated voltage.

### **9191-FP. Fieldbus Power Supply Module.**

NI / I / 2 / ABCD / T4 Ta = -20°C to 60°C; - SCI-1072

I / 2 / Ex nA nC / IIC / T4 Ta = -20°C to 60°C; - SCI-1072

Specific Conditions of Use:

- 1) In Class I, Division 2 installations, the subject equipment shall be mounted within a tool-secured enclosure which is capable of accepting one or more of the Class I, Division 2 wiring

methods specified in the Canadian Electrical Code (C22.2).

2) In Class I, Zone 2 installations, the subject equipment shall be mounted within a tool-secured enclosure which is capable of accepting one or more of the Class I, Zone 2 wiring methods specified in the Canadian Electrical Code (C22.1) and having a minimum ingress protection rating of IP54.

3) The installer shall ensure that the insulation of field wiring is rated for the temperatures present within the cabinet/enclosure in which the equipment is installed.

4) The component must not be inserted or removed unless either the area in which the component is installed is known to be non-hazardous or the circuits to which it is connected have been de-energized.

**9197-BLK. Fieldbus blanking module.**

NI / I / 2 / ABCD / T4 Ta = -20°C to 60°C; - SCI-1072

I / 2 / Ex nA / IIC / T4 Ta = -20°C to 60°C; - SCI-1072

Specific Conditions of Use:

1) In Class I, Division 2 installations, the subject equipment shall be mounted within a tool-secured enclosure which is capable of accepting one or more of the Class I, Division 2 wiring methods specified in the Canadian Electrical Code (C22.2).

2) In Class I, Zone 2 installations, the subject equipment shall be mounted within a tool-secured enclosure which is capable of accepting one or more of the Class I, Zone 2 wiring methods specified in the Canadian Electrical Code (C22.1) and having a minimum ingress protection rating of IP54.

3) The installer shall ensure that the insulation of field wiring is rated for the temperatures present within the cabinet/enclosure in which the equipment is installed.

4) The component must not be inserted or removed unless either the area in which the component is installed is known to be non-hazardous or the circuits to which it is connected have been de-energized.

**Equipment Ratings:**

Class I, Division 2, Groups A, B, C, and D, temperature code T4 at 60°C; Ex nA nC IIC, T4, Ta = -20°C to 60°C for hazardous locations.

**FM Approved for:**

Measurement Technology Limited  
Butterfield, Luton, Bedfordshire, United Kingdom



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This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

CSA C22.2 No. 213	1987 (R2008)
CSA E60079-15	2002 (R2012)
CSA E60079-0	2011
C22.2 No. 1010.1	2004 (R2009)

Original Project ID: 3046854

Approval Granted: July 3, 2013

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC

J.E. Marquedant  
Group Manager, Electrical

3 July 2013

Date