



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:

DHH805A Hand Held Communicator

I / 0 / Ex ia IIC / T4 Ta = -10°C to +50°C; DH3219; Entity

Entity Parameters:

Ui = 30 V, Ii = 215mA, Pi = .85 W, Ci = 0.04uF, Li = 0mH
Voc = 2.6Vdc, Isc = 18mA, Po = 61mW, Ca = 99uF, La = 100mH

Special Conditions of Use:

- 1) The Hand Held Communicator DH805A must be charged outside the explosion hazardous area. During charging the reduced temperature range of Ta = 10°C to 35°C must be adhered.
- 2) The Hand held Communicator DH805A must be used with the battery pack type AU3153 inside the explosion hazardous area. The battery pack of type AU3160 maybe used only outside the explosion hazardous area.
- 3) The connection of the USB-communication must be done outside the explosion hazardous area. During USB-communication the reduced temperature range of Ta = 10°C to 40°C must be adhered.
- 4) The HART interface shall be used only in parallel connection to avoid voltage addition.
- 5) The use of the protection rubber is permitted inside the explosion hazardous area. The use of the elastic band is not permitted inside the explosion hazardous area.

Equipment Ratings:

Intrinsically Safe for Class I, Zone 0, Group IIC hazardous indoor locations per control drawing DH3219.
Temperature class T4 with an ambient temperature range of -10°C to +50°C.

FM Approved for:

ABB SpA
Lenno (Como), Italy



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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. 0	2006
CSA C22.2 No. 1010.1	2004
CSA C22.2 No. 60079-0	2011
CSA C22.2 No. 60079-11	2011

Original Project ID: 3046906C

Approval Granted: December 20, 2012

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

20 December 2012

Date