



Member of the FM Global Group

FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

LM80./a/b/c Laser Level Transmitter

NI/II/2/ABCD/T4A $-40^{\circ}\text{C} \leq \text{Ta}^* \leq 60^{\circ}\text{C}$; DIP/II, III/1/EFG/T6 $-40^{\circ}\text{C} \leq \text{Ta}^* \leq 60^{\circ}\text{C}$;
I/2/AEx nA nC/IIIC/T4 $-40^{\circ}\text{C} \leq \text{Ta}^* \leq 60^{\circ}\text{C}$; 21/AEx tb/ IIIC/ T85 $^{\circ}\text{C} -40^{\circ}\text{C} \leq \text{Ta}^* \leq 60^{\circ}\text{C}$;
Type 4X, IP66

a= Enclosure: A or S.

b= Type: Blank, C or P.

c= Options: P150, T804, P801,P802, P803, P804, P806, F804, 806, F810, F815, A800, S800,
HPSG, HPSGF804, HPSGF806, HPSGF810, HPSGF815, REFL, G800, G601.

Special Conditions for Safe Use:

- 1) * *Derated to $-40^{\circ}\text{C} \leq \text{Ta} \leq 45^{\circ}\text{C}$ with option AC or SC.*
- 2) *USB/LCD2: This configuration is only to be performed in a non-hazardous environment. No connection shall be made to the D connector (RS232) inside the hazardous area.*
- 3) *Non-conductive materials of the equipment's enclosure present a potential risk for electrostatic sparking. Clean equipment only with a damp cloth.*

Equipment Ratings:

Non-Incendive for Class I, Division 2, Groups A, B, C, and D; Dust-Ignitionproof Class II and III, Groups E, G, and F; Non-sparking with Enclosed Break Contacts for Class I, Zone 2, AEx nA nC Group IIC; and as Protection by enclosure for Class III AEx tb IIIC T85 hazardous (classified) location; indoor/outdoor location Type 4X/IP66.

FM Approved for:

ABB Inc (Quebec, Canada)
Quebec, QC Canada



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

FM Class 3600	2011
FM Class 3611	2004
FM Class 3616	2011
FM Class 3810	2005
ANSI/NEMA 250	1991
ANSI/IEC 60529	2004
ANSI/ISA 60079-0	2009
ANSI/ISA 60079-15	2009
ANSI/ISA 60079-31	2009

Original Project ID: 3049053

Approval Granted: January 15, 2014

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

15 January 2014

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com