



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:

PD68a-0Kb. Loop-Powered Meter.

IS / I, II, III / 1 / ABCDEFG / T4 Ta = 65°C - LIM688-2; Entity;
I / 0 / AEx ia IIC / T4 Ta = 65°C - LIM688-2; Entity; NI / I / 2 / ABCD / T4 Ta = 65°C;
S / II, III / 2 / FG / T4 Ta = 65°C - LIM688-2; Type 4X, IP65

a = Model option 8 or 9.

b = Output option 0 or 1.

Entity Parameters:

Loop Input: $U_i = 30\text{ V}$, $I_i = 175\text{ mA}$, $P_i = 1\text{ W}$, $C_i = 0$, $L_i = 0$

Open Collector Output: $U_i = 30\text{ V}$, $I_i = 175\text{ mA}$, $P_i = 1\text{ W}$, $C_i = 0$, $L_i = 0$

Special Condition of Use:

1. *The product shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application including access only by the use of a tool.*

Equipment Ratings:

Intrinsically Safe for use in Class I, II and III, Division 1, Groups A, B, C, D, E, F and G and Class I, Zone 0, Group IIC in accordance with Entity requirements and Control Drawing LIM688-2; Nonincendive for use in Class I, Division 2, Groups A, B, C and D; Suitable for use in Class II and III, Division 2, Groups F and G Indoor and Outdoor, Type 4X, IP65 Hazardous (Classified) Locations.

FM Approved for:

Precision Digital Corporation
233 South Street, Hopkinton, MA 01748

To verify the availability of the Approved product, please refer to www.approvalguide.com
FM Approvals HLC 5/13 3025429



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

Class 3600	1998
Class 3610	2010
Class 3611	2004
Class 3810	2005
ANSI/IEC 60529	2004
NEMA 250	2003
ANSI/ISA 60079-0	2013
ANSI/ISA 60079-11	2014

Original Project ID: 3025429

Approval Granted: August 16, 2006

Subsequent Revision Reports / Date Approval Amended

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3040847	November 11, 2010		
RR204164	March 22, 2016		

FM Approvals LLC

J.E. Marquedant
Manager of Electrical Systems

22 March 2016

Date