



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:

RIT 261-abcdefgh. Temperature Field Display

IS / I / 1 ABCD / T6 Ta = 60 °C - 02 09 00 111; I / 0 / AEx ia IIC T6 Ta = 60 °C - 02 09 00 111;
Entity; DIP / II,III / 1 / EFG / T6 Ta = 60 °C; NI / I / 2 / ABCD / T6 Ta = 60 °C

Maximum Input Entity Parameters:

Table with 6 columns: Terminals (1 & 2): Groups (A/B), Vmax (V), Imax (mA), Pmax (mW), Ci (nF), Li (mH). Values: 30, 100, 750, 0, 0.

Maximum Output Entity Parameters:

d = A (TMT 181)

Table with 6 columns: Terminals (3, 4, 5 & 6): Groups (A/B), Voc (V), Isc (mA), Po (mW), Ca (nF), La (mH). Values: 8.2, 4.6, 9.35, 974, 4.5.

d = B (TMT 182)

Table with 6 columns: Terminals (3, 4, 5 & 6): Groups (A/B), Voc (V), Isc (mA), Po (mW), Ca (nF), La (mH). Values: 6.0, 2.5, 3.75, 40000, 100.

- a = Certification C.
b = Cable entry 1 or 2.
c = Additional features 1 or 2.
d = Temperature head transmitter A or B
e = Set-up/Connection mode A, 1, 2, 3 or 4.
f = Temperature sensor set-up A, 1, 2, 3, 4,5,6, 7, 8, B, C, D, E, J, K, L, N, R, S, T, U or V.
g = Set-up A, B, C or D.
h = Model A, B, or K.

## Equipment Ratings:

The apparatus was evaluated as intrinsically safe, having Entity Parameters per manufacturer's control drawing 02 09 00 111 for use in Class I, II, III, Division 1, Groups A, B, C, D, E, F and G, and Class I, Zone 0, AEx ia Group IIC Temperature Class T6; nonincendive for Class I, Division 2, Groups A, B, C, and D indoor hazardous (classified) locations.

## FM Approved for:

Endress+Hauser Wetzer GmbH + Co. KG  
Nesselwang, Germany



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	1989
Including Supplement #1	1995
ANSI/ISA 60079-0	2009
ANSI/ISA 60079-11	2009

Original Project ID: 3012519

Approval Granted: March 29, 2002

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
060419	May 15, 2006		
3042808	October 4, 2011		

FM Approvals LLC

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J. E. Marquedant  
Group Manager, Electrical

4 October 2011  
Date

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