



FM Approvals  
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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

### ***RIA45-abcdef, Field Meter***

AIS I / 1 / ABCDEFG - 12 03 00 111, Entity  
[I/O] AEx [ia] IIC - 12 03 00 111, Entity  
NI I / 2 / ABCD / T4 Ta = 60°C - 12 03 00 111; NIFW  
ANI I, II, III / 2 / ABCDEFG/T4 Ta = 60°C - 12 03 00 111; NIFW  
a = Approval: F1  
b = Input/Output: A, B, C, D  
c = Housing: 1  
d = Additional Options: Not safety relevant  
e = Version: Not safety relevant  
f = Accessory: Not safety relevant

### ***Special Conditions of Use:***

*The Field meter RIA45 shall be installed in a tool secured enclosure in compliance with the mounting, spacing and segregation requirements of the ultimate application.*

### ***RIA46-abcdefghi, Field Meter***

AIS I / 1 / ABCDEFG - 12 04 00 111, Entity  
[I/O] AEx [ia] IIC - 12 04 00 111, Entity  
NI I / 2 / ABCD / T4 Ta = 60°C - 12 04 00 111; NIFW  
ANI I, II, III / 2 / ABCDEFG / T4 Ta = 60°C - 12 04 00 111; NIFW;  
a = Approval: F1  
b = Input/Output: A, B, C, D  
c = 2  
d = Threads: A, B  
e = Cable entry: A1, A2  
f = Mounting: B1  
g = Additional Options: Not safety relevant  
h = Version: Not safety relevant  
i = Accessory: E1



## Equipment Ratings:

Intrinsically Safe Associated Apparatus for connection to Class I, Division 1, Groups A, B, C, D, E, F & G, in accordance with manufacturer's Control Drawing No. 12 03 00 111; Intrinsically Safe Associated Apparatus AEx [ia] IIC for connection to Class I, Zone 0, Group IIC, in accordance with manufacturer's Control Drawing No. 12 03 00 111; Nonincendive, with Nonincendive Field Wiring Parameters, for use in Class I, Division 2, Groups A, B, C & D, T4 at  $T_a \leq 60^\circ\text{C}$ ; Hazardous (Classified) indoor/outdoor (Type 4X & IP67) Locations.

## FM Approved for:

Endress+Hauser Wetzler 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	2007
Class 3611	2004
Class 3810	2005

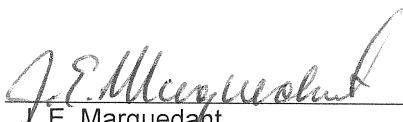
Original Project ID: 3035921

Approval Granted: *September 9, 2009*

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC

  
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J. E. Marquardt  
Group Manager, Electrical

*9 September 2009*  
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Date