



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:

RIA14-abcdefgh, Digital Field Display

XP/II/1/ABCD/T6/T5/T4 - 12 07 00 113
DIP/II, III/1/EFG/T6/T5/T4 - 12 07 00 113 or 12 07 00 111
IS/II/1/ABCD/T6/T5/T4 - 12 07 00 111, Entity
I/O/ AEx ia IIC T6/T5/T4 - 12 07 00 111, Entity
NI/II/2/ABCD/T6/T5/T4 - 12 07 00 111 or 12 07 00 113; NIFW
Type 4X, IP67

See Control Drawings for Entity and Nonincendive Field Wiring Parameters

T code vs. Ambient for the above listing

T code	Ambient (Ta)
T4	-40 °C ≤ Ta ≤ +85 °C (+80°C for F3)
T5	-40 °C ≤ Ta ≤ +60 °C (+70°C for F3)
T6	-40 °C ≤ Ta ≤ +50 °C (+55°C for F3)

- a = Approval: F1, F3
- b = Housing: 3, 4
- c = Cable entry: B, C, D
- d = Accessory mounted: E2, E5
- e = Calibration: not safety relevant
- f = Service not safety relevant
- g = Additional approval not safety relevant
- h = Accessory not safety relevant

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

RIA16-abcdefgh, Digital Field Display

IS/I/1/ABCD/T6/T5/T4 - 12 05 00 111, Entity
 I/O/ AEx ia IIC T6/T5/T4 - 12 05 00 111, Entity
 NI/I/2/ABCD/ T6/T5/T4 - 12 05 00 111; NIFW
 DIP/II,III/1/EFG/ T6/T5/T4 - 12 05 00 111; NIFW
 Type 4X, IP67

See Control Drawings for Entity and Nonincendive Field Wiring Parameters

T code vs. Ambient for the above listing

T code	Ambient (Ta)
T4	-40°C ≤ Ta ≤ +85°C
T5	-40°C ≤ Ta ≤ +70°C
T6	-40°C ≤ Ta ≤ +55°C

- a = Approval: F1
- b = Housing: 2
- c = Cable entry: A, B
- d = Accessory mounted: EA, E1, E2, E6, E8, E9
- e = Calibration: F1
- f = Service not safety relevant
- g = Additional approval not safety relevant
- h = Accessory not safety relevant

RID14-abcdefgh, FF/PA Field Indicator

IS/I /1/ABCD/T6/T5/T4 - 12 08 00 111, Entity or FISCO
 I/O/ AEx ia IIC T6/T5/T4 - 12 08 00 111, Entity or FISCO
 XP/I/1/ABCD/T6/T5/T4 - 12 08 00 113
 NI/I/2/ABCD/T6/T5/T4 - 12 08 00 111 or 12 08 00 113, NIFW or FNICO;
 DIP/II, III/1/EFG/ T6/T5/T4 - 12 08 00 113
 Type 4X, IP67

See Control Drawings for Entity, FISCO, NIFW and FNICO Parameters

T code vs. Ambient for the above listing

T code	Ambient (Ta)
T4	-40°C ≤ Ta ≤ +85°C
T5	-40°C ≤ Ta ≤ +70°C
T6	-40°C ≤ Ta ≤ +55°C

- a = Approval F1, F3, F4
- b = Housing 3, 4
- c = Cable entry B, C, D
- d = Communication 1, 2
- e = Accessory mounted E3, E4, E5, E6
- f = Service not safety relevant
- g = Additional approval not safety relevant
- h = Accessory not safety relevant

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

RID16-abcdefgh, FF/PA Field Indicator

IS/I /1/ABCD/T6/T5/T4 - 12 06 00 111, Entity or FISCO
 I/O/ AEx ia IIC T6/T5/T4 - 12 06 00 111, Entity or FISCO
 NI/I/2/ABCD/T6/T5/T4 - 12 06 00 111, NIFW or FNICO
 DIP/II, III/1/EFG/T6/T5/T4 - 12 06 00 111
 Type 4X, IP67

See Control Drawings for Entity, FISCO, NIFW and FNICO Parameters

T code vs. Ambient for the above listing

T code	Ambient (Ta)
T4	-40°C ≤ Ta ≤ +80°C
T5	-40°C ≤ Ta ≤ +70°C
T6	-40°C ≤ Ta ≤ +55°C

- a = Approval F1
- b = Housing 2
- c = Cable entry A, B
- d = Communication 1, 2
- e = Accessory mounted E3, E4, E6, E7
- f = Service not safety relevant
- g = Additional approval not safety relevant
- h = Accessory enclosed not safety relevant

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Equipment Ratings:

RIA14 and RID14:

Intrinsically safe for use in Class I, Division 1, Groups A, B, C and D; Intrinsically Safe for use in Class I, Zone 0, Group IIC; Explosion-proof for use in Class I, Division 1, Groups A, B, C and D; Dust Ignition Proof for use in Class II & III, Division 1, Groups E, F and G; Nonincendive, with Nonincendive Field Wiring Parameters, for use in Class I, Division 2, Groups A, B, C and D; Hazardous (Classified) indoor/outdoor (Type 4X & IP67) Locations.

RIA16 and RID 16:

Intrinsically safe for use in Class I, Division 1, Groups A, B, C and D; Intrinsically Safe for use in Class I, Zone 0, Group IIC; Dust Ignition Proof for use in Class II & III, Division 1, Groups E, F and G; Nonincendive, with Nonincendive Field Wiring Parameters, for use in Class I, Division 2, Groups A, B, C and D; Hazardous (Classified) indoor/outdoor (Type 4X & IP67) Locations.

FM Approved for:

Endress+Hauser Wetzler GmbH Co. KG
Nesselwang, Germany

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

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

Class 3600	2011
Class 3610	2010
Class 3611	2004
Class 3810	2005
Class 3615	2006
Class 3616	2011
ANSI/ISA 60079-0	2009
ANSI/ISA 60079-11	2011
ANSI/ISA 600529	2004
NEMA Pub. 250	2003

Original Project ID: 3035920

Approval Granted: July 8, 2009

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3037354	March 5, 2010		
3048865	March 17, 2014		

FM Approvals LLC



J.E. Marquedant
Group Manager, Electrical

17 March 2014
Date

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