



Member of the FM Global Group

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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

***Solicap M, FTI55-Mbcdefghij or FTI56-Mbcdefghij. Level Transmitter.***

XP-AIS / 1 / 1 / ABCD / T5 Ta = 70°C; Type 4X/Type 6P, IP66/IP67/IP68;

b = Inactive length L3: any single letter or number.

c = Active probe length L1: any single letter or number.

d = Insulation L2: any triple letter or number.

e = Process connection: any triple letter or number.

f = Electronic / Output / Display: 2, 4, or 5.

g = Housing, material: 4 or 5.

h = Cable entry: B, C, D, or G.

i = Type of probe: 1.

j = Additional options: A, D, E(not verified by FM), or Y(color for enclosure).

Specific Condition of use:

1. When the FEI55 electronic inserts are installed in this version of the Solicap M Types FTI55 & Types FTI56, the connection module must be installed in the product.

**Solicap M, FTI55-Nbcdefghij or FTI56-Nbcdefghij. Level Transmitter.**

DIP-AIS / II,III / 1 / EFG / T5 Ta = 70°C; Type 4X/Type 6P, IP66/IP67/IP68;

For option g = 4, or 5 (environmental rating is Type 6P and IP68)

b = Inactive length L3: any single letter or number.

c = Active probe length L1: any single letter or number.

d = Insulation L2: any triple letter or number.

e = Process connection: any triple letter or number.

f = Electronic / Output / Display: 2, 4, or H.

g = Housing, material: 4, or 5.

h = Cable entry: B, C, D, or G.

i = Type of probe: 1.

j = Additional options: A, D, E(not verified by FM), or Y(color for enclosure).

Specific Condition of use:

1. When the FEI50H and FEI55 electronic inserts are installed this version of the Solicap M Types FTI55 & Types FTI56, the connection module must be installed in the product.

**Solicap M, FTI55-Lbcdefghij or FTI56-Lbcdefghij. Level Transmitter.**

IS / I,II,III / 1 / ABCDEFG / T\* — 960008155; Entity\*; Type 4X/Type 6P, IP66/IP67/IP68;

NI / I / 2 / ABCD / T\* — 960008155; NIFW\*; Type 4X/Type 6P, IP66/IP67/IP68;

S/ II, III / 2 / EFG / T\* — 960008155; NIFW\*; Type 4X/Type 6P, IP66/IP67/IP68

\*For Entity Parameters, Nonincendive Field Wiring Parameters, and temperature class reference control drawings 960008155.

For option g = 4, or 5 (environmental rating is Type 6P and IP68)

b = Inactive length L3: any single letter or number.

c = Active probe length L1: any single letter or number.

d = Insulation L2: any triple letter or number.

e = Process connection: any triple letter or number.

f = Electronic / Output / Display: H, 5, or 7.

g = Housing, material: 1, 3, 4, or 5.

h = Cable entry: B, C, D, or G.

i = Type of probe: 1.

j = Additional options: A, D, E(not verified by FM), or Y(color for enclosure).

## Equipment Ratings:

Explosionproof for use in a Class I, Division 1, Group A, B, C & D; Dust-Ignitionproof for use in a Class II, III, Division 1, Group E, F & G indoor/ outdoor hazardous (classified) locations, utilizing a Type 4X, Type 6P, IP66 IP67, and a IP68 enclosure rating. With an intrinsically safe sensor connection. Temperature class T5 at 70°C.

AND

Intrinsically Safe for use in Class I, II, III, Division 1, Groups A, B, C, D, E, F, & G; Nonincendive with Nonincendive Field Wiring for use in Class I, II, III, Division 2, Groups A, B, C, D, E, F, & G; indoor/outdoor hazardous (classified) locations, utilizing a Type 4X, Type 6P, IP66, IP67, and a IP68 enclosure rating. The examination was based on the installation of the apparatus being installed in accordance with control drawings 960008155.

## FM Approved for:

Endress + Hauser GmbH + Co. KG  
Hauptstrasse 1  
D-79689 Maulburg  
Germany

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

Class 3600	1998
Class 3810	2005
Class 3611	2004
Class 3610	1999
Class 3615	1989
NEMA 250	2003
IEC60529	1999


Original Project ID: 3028395

Approval Granted: *NOVEMBER 13, 2007*

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC



Robert L. Martell, Jr.  
Assistant Vice President

*NOVEMBER 13, 2007*  
Date