

CERTIFICATE OF CONFORMITY



1. **HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
2. **Certificate No:** FM19US0022
3. **Equipment:** TA30A, TA30D and TA30H Connection Heads
(Type Reference and Name)
4. **Name of Listing Company:** Endress+Hauser Wetzer GmbH+Co Kg
5. **Address of Listing Company:** Obere Wank 1
Nesselwang, D87484
Germany
6. The examination and test results are recorded in confidential report number:

3036354 dated 16th July 2009
7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

FM Class 3600:2018, FM Class 3615:2018, FM Class 3810:2018, ANSI/UL 61010-1:2012
ANSI/NEMA 250:2014, ANSI/IEC 60529:2004
8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
9. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.

Certificate issued by:

J.E. Marquedant
VP, Manager - Electrical Systems

24 February 2019

Date

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

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

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SCHEDULE



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10. Equipment Ratings:

TA30A and TA30D Connection Heads

Dust-ignitionproof for Class II, Division 1, Groups E, F and G; Class III, Division 1; hazardous (classified) locations, indoors and outdoors (Type 4X, IP66/67), with an ambient temperature rating of -50°C to +130°C

TA30H Connection Heads

Explosionproof for Class I, Division 1, Groups B, C and D; Dust-ignitionproof for Class II, Division 1, Groups E, F and G; Class III, Division 1; hazardous (classified) locations, indoors and outdoors (Type 4X, IP66/67), with an ambient temperature rating of -50°C to +130°C

11. The marking of the equipment shall include:

TA30A and TA30D Connection Heads

Class II, Division 1, Groups E, F, G, Class III, Division 1
Ta = -50°C to +130°C, Type 4X, IP66/67

TA30H Connection Heads

Class I Division 1, Groups A, B, C, D
Class II, Division 1, Groups E, F, G, Class III, Division 1
Ta = -50°C to +130°C, Type 4X, IP66/67

12. **Description of Equipment:**

General - The Connection Head types TA30A, TA30D and TA30H enclosures for mounting of transmitters or terminals can be provided with blind covers and an adapter for the connection of a temperature sensor. Enclosure types TA30A and TA30D are provided with hinged covers and are for use in environments with combustible dust. Type TA30A has a retainer for a terminal block or head transmitter, the hinged cover is low and can be provided with a window display as an option. The TA30D has a retainer for two terminal blocks or head transmitters. The hinged cover is high without the window display option. The Connection Head type TA30H enclosure is provided with a threaded cover and is for use in explosive environments with flammable gas and/or combustible dust. The enclosure is explosionproof and dust-ignitionproof and is provided with a low blind cover or a high window cover.

TA30A-abcde. Connection Heads (Enclosure Only).

DIP / II, III / 1 / EFG/ Ta = -50°C to +130°C; IP 66, IP67, Type 4X

a = Connection protection tube assembly: 1 or 7.

b = Electrical connection: A, B, C, D or E.

c = Cover type: 1(blank) or 2(window cover).

d = Cable gland: (For ordinary locations only: IP66/ 67 and Type 4X)

e = Plug: 1 (M20x1.5) or 2 (½" NPT). (For ordinary locations only: IP66/ 67 and Type 4X)

TA30D-abcd. Connection Heads (Enclosure Only).

DIP / II, III / 1 / EFG/ Ta = -50°C to +130°C; IP 66, IP67, Type 4X

a = Connection protection tube assembly: 1 or 7.

b = Electrical connection: A, B, C, D or E.

c = Cable gland: (For ordinary locations only: IP66/ 67 and Type 4X)

d = Plug: (For ordinary locations only: IP66/ 67 and Type 4X).

TA30H-abcd. Connection Heads (Enclosure Only).

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SCHEDULE



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XP / I / 1 / ABCD/Ta = -50°C to +130°C;
DIP / II, III/ 1 / EFG/Ta = -50°C to +130°C;
IP66, IP67, Type 4X
a = Approval: F1.
b = Connection Protection Tube Assembly: 1, 2 or 7.
c = Electrical Connection: A, B C, D, E, F or G.
d = Cover Type: A, B, C, D, 1, 2, 3 or 4

13. Specific Conditions of Use:

None

14. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

15. Schedule Drawings

A copy of the technical documentation has been kept by FM Approvals.

16. Certificate History

Details of the supplements to this certificate are described below:

Date	Description
16 th July 2009	Original Issue.
24 th February 2019	<u>Supplement 2:</u> Report Reference: – PR451096 dated 24 th February 2019 Description of the Change: Add stainless steel as an enclosure material option for the TA30H connection head. Standards FM3600:1998, FM3615:2006, FM3810:2005 and ANSI/NEMA 250:2003 were updated to the latest revision because there were no technical changes between the revisions.

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