



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:

STT650-a-0-A-CA0 Temperature Transmitters.

IS / I / 1 / ABCD / T6... T4; Ta = *; - ACA0HF01; Entity
I / 0 / AEx ia / IIC / T6..T4; Ta = *; - ACA0HF01; Entity
NI / I / 2 / ABCD / T6..T4; Ta = *
ANI / I / 2 / ABCD — ACA0HF01; Nonincendive Field Wiring

*See Control Drawing

Entity Parameters:

V Max = 30V, I Max = 120mA, PMax = 0.84W, Ci = 1nF, Li = 10 μ H.

NI Field Circuit Parameters:

V Max = 35 V, Ci = 1nF, Li = 10 μ H.

a = S2 (One Channel); T2 (Two Channel).

Special Condition for Use:

1. The Transmitter shall be installed in compliance with the enclosure, mounting, and spacing, and segregation requirement of the ultimate application.

STT650-a-0-A-AA0 Temperature Transmitters.

IS / I / 1 / ABCD / T6..T4; Ta = *; - AAA0HF01; Entity
I / 0 / AEx ia / IIC / T6..T4; Ta = *; - AAA0HF01; Entity
NI / I / 2 / ABCD / T6..T4; Ta = *
ANI / I / 2 / ABCD — ACH0HF01; Nonincendive Field Wiring

*See Control Drawing

Entity Parameters:

VMax = 30V, IMax = 120mA, P Max = 0.84W, Ci = 6.2nF, Li = 10 μ H.

NI Field Circuit Parameters:

VMax = 35 V, Ci = 6.2nF, Li = 10 μ H.

a = S1 (One Channel); T1 (Two Channel).

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

Special Condition for Use:

1. The Transmitter shall be installed in compliance with the enclosure, mounting, and spacing, and segregation requirement of the ultimate application.

STT650-a-0-A-CH0 Temperature Transmitter.

IS / I / 1 / ABCD / T6..T4; Ta = *; - ACH0HF01; Entity

I / 0 / AEx ia / IIC / T6..T4; Ta = * - ACH0HF01; Entity

Entity Parameters:

VMax = 30 V, IMax = 120 mA, Pi = 0.84 W, Ci = 1nF, Li = 10 µH;

Vt = 9.6 V, It = 28 mA, Ca = 3.5 µF, La = 35 mH, Po = 67.2 mW.

a = S2 (one channel), T2 (two channels).

Special Condition for Use:

1. The Transmitter shall be installed in compliance with the enclosure, mounting, and spacing, and segregation requirement of the ultimate application.

STT650-a-0-A-Cb0 Profibus PA/Foundation Fieldbus Transmitter

IS / I / 1 / ABCD / T6..T4; Ta = *; - ACFPHE01 Entity, Fisco; Type 2

I / 0 / AEx ia / IIC / T6..T4; Ta = *; - ACFPHE01 Entity, Fisco; Type 2

I / 1 / AEx ib / IIC / T6..T4; Ta = *; - ACFPHE01 Entity, Fisco; Type 2

NI / I / 2 / ABCD / T6..T4; Ta = *; - ACFPHE01 NIFW; FNICO; Type 2

***See Control Drawing**

a=S2 (Single channel), T2 (Double channel)

b=F (Field Bus), P (Profibus)

Nonincendive Field Wiring Parameters

Vmax = 32V Ci = 2.0nF Li = 1µH

Special Condition for use;

1. The Transmitter shall be installed in compliance with the enclosure, mounting, and spacing, and segregation requirement of the ultimate application.

Equipment Ratings:

Model STT650-a-0-A-CA0 STT650-a-0-A-AA0 are suitable for Class I, Division 2, Groups A, B, C, and D hazardous (classified) locations.

Model STT650-a-0-A-CA0, STT650-a-0-A-AA0, STT650-a-0-A-CH0 are Intrinsically safe for Class I, Division 1, Groups A, B, C and D and for Class I, Zone 0, Group IIC hazardous (classified) locations.

STT650-a-0-Cb0 are Intrinsically safe for Class I, Division 1, Groups A, B, C, and D, intrinsically safe for Class I, Zone 0, Group IIC, intrinsically safe for Class I, Zone 1, Group IIC, and suitable for Class I, Division 2, Groups A, B, C, and D hazardous (classified) locations.

FM Approved for:

Honeywell International Inc.
Pennsylvania, USA

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
ANSI/ISA 60079-0	2009
ANSI/ISA 60079-11	2009

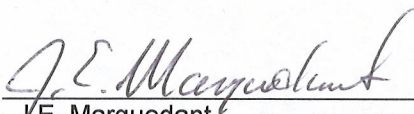
Original Project ID: 3054236

Approval Granted: *February 12, 2015*

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC



J.E. Marquedant
Manager, Electrical Systems

12 February 2015

Date

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