



FM Approvals
1151 Boston Providence Turnpike
P.O. Box 9102 Norwood, MA 02062 USA
T: 781 762 4300 F: 781-762-9375 www.fmapprovals.com

Member of the FM Global Group

CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

STT25a-0-000-b0c-d0ef-ghi-j-1G. Smart Temperature Transmitter.

IS / I / 1 / ABCD / T4 Ta = -50°C to 85°C - 46188466-201; Entity

I / 0 / AEx ia IIC / T4 Ta = -50°C to 85°C - 46188466-201; Entity

NI / I / 2 / ABCD / T5 Ta = -50°C to 85°C

NI / I / 2 / IIC / T5 Ta = -50°C to 85°C

Entity Parameters:

$V_{max} = 30V$, $I_{max} = 165mA$, $P_{max} = 1.2W$, $C_i = 17nF$, $L_i = 0$ (with e = 0)

$V_{max} = 30V$, $I_{max} = 165mA$, $P_{max} = 1.2W$, $C_i = 17nF$, $L_i = 45\mu H$ (with e = S)

a = Transmitter Module M, H, S, D or T.

b = Configuration 0 or T.

c = Operator's Manual 0, E, F, S or C.

d = Mounting 0, L or D.

e = Lightning Protection 0 or S.

f = SIL 2 TUV Certificate 0 or S.

g = Warranty 0, 1, 2, or 3.

h = Configuration Certificate 0, D or S.

i = Certificate of Conformance 0, C or S.

Special Conditions of Use:

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

STT25a-b-cN0-def-ghij-klm-n-1C. Smart Temperature Transmitter.

XP / I / 1 / ABCD / T5 Ta = -50°C to 85°C; DIP / II, III / 1 / EFG / T5 Ta = -50°C to 85°C; Type 4X/IP66

I / 1 / AEx d IIC / T5 Ta = -50°C to 85°C; Type 4X/IP66

IS / I,II,III / 1 / ABCDEFG / T4 Ta = -50°C to 85°C - 46188466-201; Entity; Type 4X/IP66

I / 0 / 1 / AEx ia IIC / T4 Ta = -50°C to 85°C - 46188466-201; Entity

NI / I / 2 / ABCD / T5 Ta = -50°C to 85°C

NI / I / 2 / IIC / T5 Ta = -50°C to 85°C

S / II,III / 2 / FG / T5 Ta = -50°C to 85°C; Type 4X/IP66

Entity Parameters:

$V_{max} = 30V$, $I_{max} = 165mA$, $P_{max} = 1.2W$, $C_i = 17nF$, $L_i = 0$ (with i = 0 or L)

$V_{max} = 30V$, $I_{max} = 165mA$, $P_{max} = 1.2W$, $C_i = 17nF$, $L_i = 45\mu H$ (with i = S)

a = Transmitter Module M, H, S, D or T.

b = Sensor Probe 0 or 1.



Member of the FM Global Group

c = Housing E or T.
d = Configuration 0 or T.
e = Tagging 0, T or B.
f = Operator's Manual 0, E, F, S or C.
g = Mounting arrangement 0, M, S or D.
h = Conduit Adapter 0, 1, 2, 3 or 4.
i = Lightning protection 0, L or S.
j = SIL 2 TUV Certificate 0 or S.
k = Warranty 0, 1, 2 or 3.
l = Configuration Certificate 0, D or S.
m = Certificate of Conformance 0, C or S.

STT25a-b-cNd-efg-hijk-lmn-o-1J. Smart Temperature Transmitter.

XP / I / 1 / BCD / T5 Ta = -50°C to 85°C; DIP / II,III / 1 / EFG / T5 Ta = -50°C to 85°C; Type 4X/IP66

I / 1 / AEx d IIC / T5 Ta = -50°C to 85°C; Type 4X/IP66

IS / I,II,III / 1 / ABCDEFG / T4 Ta = -50°C to 85°C - 46188466-201; Entity; Type 4X/IP66

I / 0 / 1 / AEx ia IIC / T4 Ta = -50°C to 85°C - 46188466-201; Entity

NI / I / 2 / ABCD / T5 Ta = -50°C to 85°C

NI / I / 2 / IIC / T5 Ta = -50°C to 85°C

S / II,III / 2 / FG / T5 Ta = -50°C to 85°C; Type 4X/IP66

Entity Parameters:

$V_{max} = 30V$, $I_{max} = 165mA$, $P_{max} = 1.2W$, $C_i = 17nF$, $L_i = 0$ (with d = E or S & j = 0 or L)

$V_{max} = 30V$, $I_{max} = 165mA$, $P_{max} = 1.2W$, $C_i = 17nF$, $L_i = 150\mu H$ (with d = M & j = 0 or L)

$V_{max} = 30V$, $I_{max} = 165mA$, $P_{max} = 1.2W$, $C_i = 17nF$, $L_i = 195\mu H$ (with d = M and j = S)

$V_{max} = 30V$, $I_{max} = 165mA$, $P_{max} = 1.2W$, $C_i = 17nF$, $L_i = 45\mu H$ (with d = E or S & j = S)

a = Transmitter Module M, H, S, D or T.

b = Sensor Probe 0 or 1.

c = Housing E or T.

d = Integral meter M, E or S.

e = Configuration 0 or T.

f = Tagging 0, T or B.

g = Operator's Manual 0, E, F, S or C.

h = Mounting arrangement 0, M, S or D.

i = Conduit Adapter 0, 1, 2, 3 or 4.

j = Lightning protection 0, L or S.

k = SIL 2 TUV Certificate 0 or S.

l = Warranty 0, 1, 2 or 3.

m = Configuration Certificate 0, D or S.

n = Certificate of Conformance 0, C or S.

Equipment Ratings:

Intrinsically safe for use in Class I, II, III, Division 1, Groups A, B, C, D, E, F and G; Class I, Zone 0, Group IIC; Nonincendive for Class I, Division 2, Groups A, B, C and D; Class I, Zone 2, Group IIC; Suitable for Class II and III, Division 2, Groups F and G; Explosion-proof for Class I, Division 1, Groups B, C and D; Flame-proof for Class I, Zone 1, AEx d IIC; Dust-ignition-proof for Class II and III, Division 1, Groups E, F and G indoor/outdoor Type 4X/IP66 Hazardous (Classified) locations

FM Approved for:

Honeywell International, Inc. Honeywell Field Solutions
Fort Washington, PA



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
Class 3615	2006
ANSI/ISA - 60079-0	2005
ANSI/ISA - 60079-1	2005
ANSI/ISA - 60079-15	2005
ANSI/INEMA - 250	1991

Original Project ID: 2D8A8.AX

Approval Granted: February 19, 1998

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3005944	December 10, 1999		
3008768	August 8, 2000		
3009434	November 30, 2000		
3030064	May 16, 2008		
3039727	May 25, 2010		

FM Approvals LLC



J. E. Marquedant
Group Manager, Electrical

25 May 2010
Date