FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

V11527-a7cde. TF 02-Ex Foundation Fieldbus Temperature Transmitter
IS / I / 1 / ABCD / T* - V11527-F-S11; Entity; FISCO
I / 0 / AEx ia / IIC / T* - V11527-F-S11; Entity; FISCO
NI / I / 2 / ABCD / T* - V11527-F-N11; Nonincendive Wiring Parameters

* Temperature Codes T6 Ta = 50°C; T4 Ta = 85°C

a = Bus System FR, FA
c = Construction 3, 1, 4, R, P, X
d = Connections 0, M
e = Programming 0, 1

Entity Parameters:
Supply Circuit Terminals + and -:
Groups A, B: Vmax = 24Vdc, Imax = 360mA, Ci = 5nF, Li = 10µH
Groups C, D: Vmax = 24Vdc, Imax = 380mA, Ci = 5nF, Li = 10µH
Sensor Circuit Terminals 1, 2, 3, 4:
Groups A, B: Voc = 5.5Vdc, Isc = 25mA, Po = 35mW, Ca = 2.6µF, La = 2mH
Groups C, D: Voc = 5.5Vdc, Isc = 25mA, Po = 35mW, Ca = 15µF, La = 2mH

Special conditions:
1. Shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.

V11526-aScdefg. TF 202-Ex Foundation Fieldbus Temperature Transmitter
IS / I, II, III / 1 / ABCDEFG / T* - V11526-F-S11; Entity; FISCO
I / 0 / AEx ia / IIC / T* - V11526-F-S11; Entity; FISCO
NI / I / 2 / ABCD / T* - V11526-F-N11; Nonincendive Wiring Parameters
NI / II, III / 2 / FG / T* - V11526-F-N11; Nonincendive Wiring Parameters
ANI / I / 2 / ABCD / T* - V11526-F-N21; Nonincendive Wiring Parameters
ANI / II, III / 2 / FG / T* - V11526-F-N21; Nonincendive Wiring Parameters
Enclosure Type 4X

* Temperature Codes T6 Ta = 50°C; T4 Ta = 85°C

a = Bus System FR, FA
c = Display / Construction N
d = Material A, E
e= Connections M, D, 1, 2, 3, 4
f = Mounting Field Housing 1, 2, 3, 4, 5
g = Programming S, K

Entity Parameters:
Supply Circuit Terminals + and -:
Groups A, B: Vmax = 24Vdc, Imax = 360mA, Ci = 5nF, Li = 10µH
Groups C, D: Vmax = 24Vdc, Imax = 380mA, Ci = 5nF, Li = 10µH
Sensor Circuit Terminals 1, 2, 3, 4:
Groups A, B: Voc = 5.5Vdc, Isc = 25mA, Po = 35mW, Ca = 2.6µF, La = 2mH
Groups C, D: Voc = 5.5Vdc, Isc = 25mA, Po = 35mW, Ca = 15µF, La = 2mH

Equipment Ratings:

Intrinsically safe apparatus with intrinsically safe circuits for use in Class I, Division 1 and 2 Groups A, B C and D, Class II, Division 1, Groups E, F and G, Class II, Division 2, Groups F and G Class III and Class I, Zone 0, AEx ia or ib IIC, Hazardous (Classified) Locations, indoor temperature class T6 at an ambient of 50°C, T4 at an ambient of 85°C

Approved for:

ABB Automation Products GmbH
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Germany