



Member of the FM Global Group

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

CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

I. Intrinsically Safe (Div. 1) Version

A4abc42defg. Pressure Transducer

IS/I,II,III/1/ABCDEFGH/T4 Ta = 80 °C; 825A022; Entity

NI/II/2/ABCD/T4 Ta = 80 °C; 825A022; NIFW

S/II,III/2/EFG/T4 Ta = 80 °C; 825A022; NIFW

See Control Drawing For Entity & Nonincendive Field Wiring Parameters.

a = Enclosure Requirement: S or W.

b = Accuracy & Temperature Range: A, B or C.

c = Pressure Fitting: FRW, F01, F02, F04, F09, MEK, MG2, MG4, M01, M02, M04, S15, S20, VFP, VFX, VF2, VMP, VMX or VM2.

d = Electrical Connector: B4, C1, C2, C3, C4, DN, D0, D1, D2, EW, E0, E1, E2, F2, HM, H1, L1, M1, M2, P1, P2, P7 or P9.

e = Pressure Range: 5#, 10#, 15#, 30#, 50#, 60#, 75#, 100#, 150#, 200#, 300#, 500#, 750#, 1000#, 1500#, 2000#, 2500#, 3000#, 5000#, 7500#, 10000#, 0#&VAC, 15#&VAC, 30#&VAC, 45#&VAC, 60#&VAC, 100#&VAC, 400mbar, 600mbar, 1bar, 1.6bar, 2.5bar, 4bar, 6bar, 10bar, 16bar, 20bar, 25bar, 40bar, 60bar, 100bar, 160bar, 250bar, 400bar, 600bar, 0bar&VAC, 1bar&VAC, 2bar&VAC, 3bar&VAC, 4bar&VAC, 6bar&VAC, 10h, 20h, 30h, 50h, 100h, 200h, 300h, 500h, 1000h, 0h&VAC, 30h&VAC, 60h&VAC, 100hVAC or 200h&VAC.

f = Pressure Type: A or G.

g = Variation: XCL, XK8, XNS or X6B.

A2abc42defg. Pressure Transducer.

IS/I,II,III/1/ABCDEFGH/T4 Ta = 80 °C; 825A022; Entity

NI/II/2/ABCD/T4 Ta = 80 °C; 825A022; NIFW

S/II,III/2/EFG/T4 Ta = 80 °C; 825A022; NIF

See Control Drawing For Entity & Nonincendive Field Wiring Parameters.

a = Enclosure Requirement: X.

b = Accuracy & Temperature Range: A, B or C.

c = Pressure Fitting: FRW, F01, F02, F04, F09, MEK, MG2, MG4, M01, M02, M04, S15, S20, VFP, VFX, VF2, VMP, VMX or VM2.

d = Electrical Connector: C2, C3, C4.

e = Pressure Range: 5#, 10#, 15#, 30#, 50#, 60#, 75#, 100#, 150#, 200#, 300#, 500#, 750#, 1000#, 1500#, 2000#, 2500#, 3000#, 5000#, 7500#, 10000#, 0#&VAC, 15#&VAC, 30#&VAC, 45#&VAC, 60#&VAC, 100#&VAC, 400mbar, 600mbar, 1bar, 1.6bar, 2.5bar, 4bar, 6bar, 10bar, 16bar, 20bar, 25bar, 40bar, 60bar, 100bar, 160bar, 250bar, 400bar, 600bar, 0bar&VAC, 1bar&VAC, 2bar&VAC, 3bar&VAC, 4bar&VAC, 6bar&VAC, 10h, 20h, 30h, 50h, 100h, 200h, 300h, 500h, 1000h, 0h&VAC, 30h&VAC, 60h&VAC, 100hVAC or 200h&VAC.

f = Pressure Type: A or G.

g = Variation: XCL, XK8, XNS or X6B

II. Intrinsically Safe (Div. 1) Type 4X/IP65 Version

A4abc42defg. Pressure Transducer

IS/I,II,III/1/ABCDEFGH/T4 Ta = 80 °C; 825A022; Entity; Type 4X/IP65

NI/II/2/ABCD/T4 Ta = 80 °C; 825A022; NIFW; Type 4X/IP65

S/II,III/2/EFG/T4 Ta = 80 °C; 825A022; NIFW; Type 4X/IP65

See Control Drawing For Entity & Nonincendive Field Wiring Parameters.

a = Enclosure Requirement: W

b = Accuracy & Temperature Range: A, B or C.

c = Pressure Fitting: FRW, F01, F02, F04, F09, MEK, MG2, MG4, M01, M02, M04, S15, S20, VFP, VFX, VF2, VMP, VMX or VM2.

d = Electrical Connector: B4, C1, C2, C3, C4, H1, L1, P2 or P7.

e = Pressure Range: 5#, 10#, 15#, 30#, 50#, 60#, 75#, 100#, 150#, 200#, 300#, 500#, 750#, 1000#, 1500#, 2000#, 2500#, 3000#, 5000#, 7500#, 10000#, 0#&VAC, 15#&VAC, 30#&VAC, 45#&VAC, 60#&VAC, 100#&VAC, 400mbar, 600mbar, 1bar, 1.6bar, 2.5bar, 4bar, 6bar, 10bar, 16bar, 20bar, 25bar, 40bar, 60bar, 100bar, 160bar, 250bar, 400bar, 600bar, 0bar&VAC, 1bar&VAC, 2bar&VAC, 3bar&VAC, 4bar&VAC, 6bar&VAC, 10h, 20h, 30h, 50h, 100h, 200h, 300h, 500h, 1000h, 0h&VAC, 30h&VAC, 60h&VAC, 100hVAC or 200h&VAC.

f = Pressure Type: A or G.

g = Variation: XCL, XK8, XNS or X6B.

A2abc42defg. Pressure Transducer.

IS/I,II,III/1/ABCDEFGH/T4 Ta = 80 °C; 825A022; Entity; Type 4X/IP65

NI/I/2/ABCD/T4 Ta = 80 °C; 825A022; NIFW; Type 4X/IP65

S/II,III/2/EFG/T4 Ta = 80 °C; 825A022; NIFW; Type 4X/IP65

See Control Drawing For Entity & Nonincendive Field Wiring Parameters.

- a = Enclosure Requirement: X.
- b = Accuracy & Temperature Range: A, B or C.
- c = Pressure Fitting: FRW, F01, F02, F04, F09, MEK, MG2, MG4, M01, M02, M04, S15, S20, VFP, VFX, VF2, VMP, VMX or VM2.
- d = Electrical Connector: C2, C3, C4
- e = Pressure Range: 5#, 10#, 15#, 30#, 50#, 60#, 75#, 100#, 150#, 200#, 300#, 500#, 750#, 1000#, 1500#, 2000#, 2500#, 3000#, 5000#, 7500#, 10000#, 0#&VAC, 15#&VAC, 30#&VAC, 45#&VAC, 60#&VAC, 100#&VAC, 400mbar, 600mbar, 1bar, 1.6bar, 2.5bar, 4bar, 6bar, 10bar, 16bar, 20bar, 25bar, 40bar, 60bar, 100bar, 160bar, 250bar, 400bar, 600bar, 0bar&VAC, 1bar&VAC, 2bar&VAC, 3bar&VAC, 4bar&VAC, 6bar&VAC, 10h, 20h, 30h, 50h, 100h, 200h, 300h, 500h, 1000h, 0h&VAC, 30h&VAC, 60h&VAC, 100hVAC or 200h&VAC.
- f = Pressure Type: A or G.
- g = Variation: XCL, XK8, XNS or X6B.

III. Nonincendive (Div.2) Version

A2abc42defg. Pressure Transducer.

NI/I/2/ABCD/T4 Ta = 80 °C; Type 4X/IP65

S/II,III/2/EFG/T4 Ta = 80 °C; Type 4X/IP65

- a = Enclosure Requirement: X.
- b = Accuracy & Temperature Range: A, B or C.
- c = Pressure Fitting: FRW, F01, F02, F04, F09, MEK, MG2, MG4, M01, M02, M04, S15, S20, VFP, VFX, VF2, VMP, VMX or VM2.
- d = Electrical Connector: C2, C3 or C4.
- e = Pressure Range: 5#, 10#, 15#, 30#, 50#, 60#, 75#, 100#, 150#, 200#, 300#, 500#, 750#, 1000#, 1500#, 2000#, 2500#, 3000#, 5000#, 7500#, 10000#, 0#&VAC, 15#&VAC, 30#&VAC, 45#&VAC, 60#&VAC, 100#&VAC, 400mbar, 600mbar, 1bar, 1.6bar, 2.5bar, 4bar, 6bar, 10bar, 16bar, 20bar, 25bar, 40bar, 60bar, 100bar, 160bar, 250bar, 400bar, 600bar, 0bar&VAC, 1bar&VAC, 2bar&VAC, 3bar&VAC, 4bar&VAC, 6bar&VAC, 10h, 20h, 30h, 50h, 100h, 200h, 300h, 500h, 1000h, 0h&VAC, 30h&VAC, 60h&VAC, 100hVAC or 200h&VAC.
- f = Pressure Type: A or G.
- g = Variation: XCL, XK8, XNS or X6B.



Member of the FM Global Group

Equipment Ratings:

I. Intrinsically Safe (Div. 1) Version

Intrinsically Safe, with Entity Parameters, for use in Class I, II & III, Division 1, Groups A, B, C, D, E, F & G, in accordance with manufacturer's Control Drawing No. 825A022; Nonincendive, with Nonincendive Field Wiring Parameters, for use in Class I, Division 2, Groups A, B, C & D, in accordance with manufacturer's Control Drawing No. 825A022; Suitable for Class II & III, Division 2, Groups E, F & G Hazardous (Classified) indoor Locations

II. Intrinsically Safe (Div. 1) Type 4X/IP65 Version

Intrinsically Safe, with Entity Parameters, for use in Class I, II & III, Division 1, Groups A, B, C, D, E, F & G, in accordance with manufacturer's Control Drawing No. 825A022; Nonincendive, with Nonincendive Field Wiring Parameters, for use in Class I, Division 2, Groups A, B, C & D, in accordance with manufacturer's Control Drawing No. 825A022; Suitable for Class II & III, Division 2, Groups E, F & G Hazardous (Classified) indoor/outdoor (Type 4X & IP65) Locations

III. Nonincendive (Div. 2) Version

Nonincendive for use in Class I, Division 2, Groups A, B, C & D; Suitable for Class II & III, Division 2, Groups E, F & G Hazardous (Classified) indoor/outdoor (Type 4X & IP65) Locations

FM Approved for:

ASHCROFT Inc.
250 East Main Street
Stratford, CT 06614
USA



Member of the FM Global Group

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

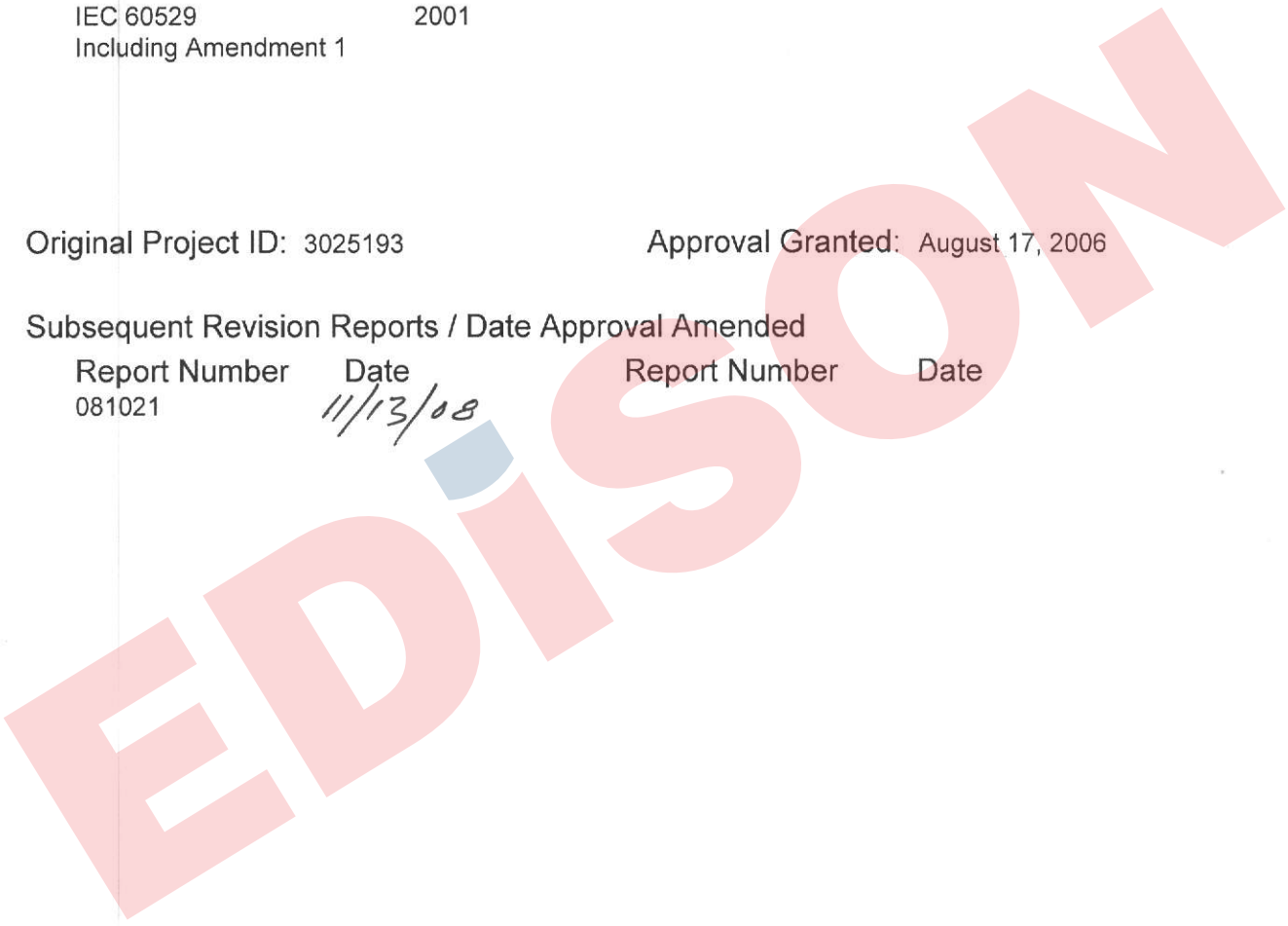
Class 3600	1998
Class 3610	1999
Class 3611	2004
Class 3810	2005
ANSI/NEMA 250	1991
IEC 60529	2001
Including Amendment 1	

Original Project ID: 3025193

Approval Granted: August 17, 2006

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
081021	11/13/08		



FM Approvals LLC

George A. Smith, P.E.
Director/Assistant Vice President

11/13/08
Date