



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 LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

83abc Square Head Stopping Plugs.

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

a = Material of Construction: T, A, or R.

b = Thread Type: 11, 12, 13, 19, 20, or 21.

c = Certifications: E or M.

86abc Hexagonal Head Stopping Plugs.

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

a = Material of Construction: T, A, or R.

b = Thread Type: 11, 12, 13, 19, 20, or 21.

c = Certifications: E or M.

87abc Externally Accessible Dome Head Stopping Plugs.

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

a = Material of Construction: T, A, or R.

b = Thread Type: 11, 12, 13, 19, 20, or 21.

c = Certifications: E or M.

88abc Internally Accessible Head Stopping Plugs.

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

a = Material of Construction: T, A, or R.

b = Thread Type: 11, 12, 13, 19, 20, or 21.

c = Certifications: E or M.

89abc Externally Accessible Head Stopping Plugs.

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

a = Material of Construction: T, A, or R.

b = Thread Type: 11, 12, 13, 19, 20, or 21.

c = Certifications: E or M.



Member of the FM Global Group

Equipment Ratings:

Explosionproof for Class I, Division 1, Groups A, B, C and D; dust-ignitionproof for Class II/III, Division 1, Groups E, F and G, hazardous (classified) locations, indoors and outdoors (Type 4X).

FM Approved for:

International Metal Engineering PTE. LTD.
Blk 13 TOA Payoh Lorong 8
#06-05 Braddell Tech Park
Singapore 319261



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 3615	2006
ANSI/NEMA 250	2003


Original Project ID: 3037797

Approval Granted: *April 21, 2010*

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
---------------	------	---------------	------

FM Approvals LLC



 Robert L. Martell, Jr.
 Assistant Vice President

April 21, 2010

 Date