



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:

**4747-230ab0c. Limit Switch.**

XP/II/1/ABCD/T6 Ta = -50°C to +65°C; T5 Ta = -50°C to +80°C; T4 Ta = -50°C to +85°C

DIP/II,III/1/EFG/T6 Ta = -50°C to +65°C; T5 Ta = -50°C to +80°C; T4 Ta = -50°C to +85°C

I/1/AEx d/IIC/T6 Ta = -50°C to +65°C; T5 Ta = -50°C to +80°C; T4 Ta = -50°C to +85°C

Type 4X, IP66

a = Design/switching elements 01, 02, 03, 04, 05, 06, 07, 08, 11, 12, 13, 14, 15 or 16.

b = Number of switching elements 1 or 2.

c = Field wiring entries 1 or 2.

*Special Conditions of Use:*

1. Type 4747 Limit Switches marked with the 18 inch conduit seal requirement will be marked with a -55°C low ambient temperature.

2. Type 4747 Limit Switches configured with the Pepperl-Fuchs NBB2-F1-US inductive sensor will be marked with a -25°C low ambient temperature.

### Equipment Ratings:

Explosionproof for use in Class I, Division 1, Groups A, B, C and D; Dust-ignitionproof for use in Class II/III, Division 1, Groups E, F, and G and Flameproof for Class I, Zone 1, AEx d IIC hazardous (classified) locations, indoors and outdoors (Type 4X, IP66).

### FM Approved for:

Samson AG  
Frankfurt, Germany

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
Class 3810	2005
ANSI/ISA-60079-0	2005
ANSI/ISA-60079-1	2005
ANSI/NEMA 250	2003
ANSI/IEC 60529	2004


Original Project ID: 3037212

Approval Granted: *March 8, 2011*

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC

  
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J.E. Marquedant  
Group Manager, Electrical

*8 March 2011*  
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Date