



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.fmaprovals.com

CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

TFab52cd-efgh. Pneumatic Transducer.

IS / I,II,III / 1 / CDEFG / T4 Ta = 80°C; - ED14007; Entity; Type 4 Type 3R
I/O/ AEx ia IIB / T4 Ta = 80°C; ED14007; Entity; Type 4 Type 3R
NI / I,II,III / 2 / ABCDEFG / T4 Ta = 80°C ED14007; NIFW; Type 4 Type 3R

a = Approval Class I (intrinsic safety only), N (Type 4 only) or NI.

b = Option B or HI.

cd = Category 00, 20, 21, 22, 23, 24, 25 or 26.

e = Input range 1, 4, 5 or 9.

f = Calibrated range 0, 1 or 2.

g = Valve mount option V or blank.

h = Tapped exhaust option E or blank.

Entity Parameters:

$V_{Max} = 28\text{ V}$, $I_{Max} = 100\text{ mA}$, $P_i = 0.7\text{ W}$, $C_i = 0$, $L_i = 0$.

Nonincendive Field Wiring Parameters:

$V_{Max} = 30\text{ V}$, $I_{Max} = 125\text{ mA}$, $C_i = 0$, $L_i = 0$

Specific Conditions for use:

The apparatus enclosure contains aluminum and is considered to constitute a potential risk of ignition by impact or friction. Care must be taken into account during installation and use to prevent impact or friction.

Equipment Ratings:

Intrinsically Safe Apparatus with entity parameters per installation drawing ED-14007 suitable for use in Class I, II, III, Division 1, Groups, C, D, E, F and G hazardous (Classified) locations and Class I Zone 0 Group IIB hazardous (Classified) locations; Nonincendive Apparatus with Nonincendive Field Wiring Parameters per installation drawing ED-14007 suitable for use in Class I, II, III, Division 2, Groups A, B, C, D, E, F & G hazardous (Classified) locations. Temperature Class T4 Ta = 80°C;

FM Approved for:

Fairchild Industrial Products Co
Winston-Salem, North Carolina 27103

To verify the availability of the Approved product, please refer to www.approvalguide.com



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

Class 3600	2011
Class 3610	2010
Class 3611	2004
Class 3810	2005
NEMA 250	1985

Original Project ID: 2Q6A4.AX

Approval Granted: April 11, 1989

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3045031	May 30, 2014		

FM Approvals LLC

J.E. Marquedant
Group Manager, Electrical

30 May 2014

Date

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