



FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

ATM/F/IS Pressure Transmitter

IS / I, II, III / 1 / ABCDEFG; Entity; DMM018
 NIFW / I, II, III / 2 / ABCDEFG; DMM018
 Entity / Nonincendive field wiring parameters:
 $V_{max} = 30 \text{ V}$, $I_{max} = 100 \text{ mA}$, $P_i = 1 \text{ W}$
 $C_i = 12 \text{ nF} + 0.12 \text{ nF / meter of integral cable}$
 $L_i = 0.25 \text{ mH} + 0.001 \text{ mH / meter of integral cable}$

Temperature Class	T6	T4	T3
Ambient Range (°C)	-25 to +55	-25 to +85	-25 to +85
Process Range (°C)	-25 to +55	-25 to +100	-25 to +150

ATM/N/IS

IS / I, II, III / 1 / ABCDEFG; Entity; DMM018
 NIFW / I, II, III / 2 / ABCDEFG; DMM018
 Entity / Nonincendive field wiring parameters:
 $V_{max} = 30 \text{ V}$, $I_{max} = 100 \text{ mA}$, $P_i = 1 \text{ W}$
 $C_i = 12 \text{ nF} + 0.12 \text{ nF / meter of integral cable}$
 $L_i = 0.25 \text{ mH} + 0.001 \text{ mH / meter of integral cable}$

Temperature Class	T4
Ambient Range (°C)	-5 to +50
Process Range (°C)	-5 to +50

ATM/IS

IS / I, II, III / 1 / ABCDEFG; Entity; DMM018, DMM019(Welded and Elastomerfree only)
 NIFW / I, II, III / 2 / ABCDEFG; DMM018, DMM019(Welded and Elastomerfree only)
 Entity / Nonincendive field wiring parameters:
 $V_{max} = 30 \text{ V}$, $I_{max} = 100 \text{ mA}$, $P_i = 1 \text{ W}$
 $C_i = 12 \text{ nF} + 0.12 \text{ nF / meter of integral cable}$
 $L_i = 0.25 \text{ mH} + 0.001 \text{ mH / meter of integral cable}$



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 3810	2005
Class 3611	2004

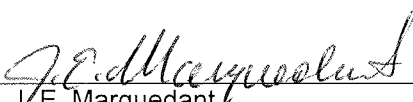
Original Project ID: 3027351

Approval Granted: July 18, 2007

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
080806	August 11, 2008		
090916	October 29, 2009		

FM Approvals LLC



J.E. Marquedant
Group Manager, Electrical



Date



Temperature Class	T6	T4	T3
Ambient Range (°C)	-25 to +55	-25 to +85	-25 to +85
Process Range (°C)	-25 to +55	-25 to +100	-25 to +150

Equipment Ratings:

Intrinsically safe for Class I, II, III, Div 1, applicable Groups A, B, C, D, E, F, G; Nonincendive, using nonincendive field wiring parameters, for Class I, II, III, Division 2, applicable Groups A, B, C, D, F, G hazardous (classified) locations when installed per STS Drawing Number DMM018. Ambient temperature ranges, process temperature ranges and temperature code ratings are as identified above.

FM Approved for:

STS Sensor Technik Sirmach AG
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