



FM Approvals
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Member of the FM Global Group

CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

PMW IP E5-IS. Signal Converter

IS / I / 1 / ABCD / T6/T5/T4 T* – IP-653; Entity

*Temperature Class and Codes apply to each appropriate entity parameter in the system. Please see control drawing no. IP653 for Temperature Class, Codes and entity parameters.

Maximum Parameters:

Temp Code / Class	Electrical Parameters				
	Vmax (V)	I _{max} (mA)	P _i (mW)	C _i	L _i
T6, Ta = -55°C + 60°C	42.5	50	531	0	0
T6, Ta = -55°C + 55°C	38.8	60	582	0	0
T5, Ta = -55°C + 70°C	38.8	60	582	0	0
T5, Ta = -55°C + 55°C	30	100	750	0	0
T5, Ta = -55°C + 45°C	28	120	840	0	0
T4, Ta = -55°C + 85°C	38.8	60	582	0	0
T4, Ta = -55°C + 85°C	30	100	750	0	0
T4, Ta = -55°C + 80°C	28	120	840	0	0
T4, Ta = -55°C + 70°C	28.5	50	956	0	0



Equipment Ratings:

Intrinsically safe (Entity) for use in Class I, Division 1, Groups A, B, C and D indoor Hazardous (Classified) Locations.

FM Approved for:

Palmstiernas International AB
S-171 54 Solna, Sweden



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

Class 3600	1998
Class 3610	2007
Class 3810	2005

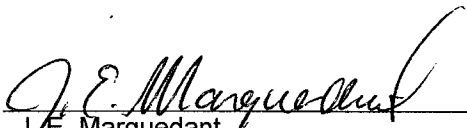
Original Project ID: 3037663

Approval Granted: *February 18, 2010*

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC



J.E. Marquedant
Group Manager, Electrical

18 February 2010

Date