



Member of the FM Global Group

FM Approvals  
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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

**MTL710P+, MTL710P-, MTL715P+, MTL722P+, MTL728P+, MTL761P, MTL766P**

### **MTL700P Series. Shunt Diode Barrier Assembly.**

AIS / I,II,III / 1 / ABCDEFG - SCI-326 / 1; Entity  
NI / 1 / 2 / ABCD

Single Channel With Ground Return

Model No.	V <sub>oc</sub> (V)	I <sub>sc</sub> (mA)	C <sub>a</sub> (μF)	L <sub>a</sub> (mH)
MTL710P+	+9.0	267	4.89	0.22
MTL710P-	-9.0	267	4.89	0.22
MTL715P+	+13.7	264	1.04	0.23
MTL722P+	+20.1	194	0.33	0.53
MTL728P+	+26.3	112	0.16	2.86

Dual Channel With Separate Ground Returns

Each Channel

Model No.	V <sub>oc</sub> (V)	I <sub>sc</sub> (mA)	C <sub>a</sub> (μF)	L <sub>a</sub> (mH)
MTL761P	±9.0	25.0	4.89	54.8
MTL766P	±11.5	149	1.87	1.25

Dual Channel With or Without Common Ground Return (to same or separate devices)

Model	V <sub>t</sub> (V)	I <sub>t</sub> (mA)	C <sub>a</sub> (μF)	L <sub>a</sub> (mH)
MTL761P	±18.0	50.0	0.43	14.4
MTL766P	±23.0	297	0.22	0.20

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)  
FM Approvals HLC 5/13

**MTL700P Series. Shunt Diode Barrier Assembly.**

AIS / I,II,III / 1 / CDEFG - SCI-326 / 1; Entity

NI / 1 / 2 / ABCD

Single Channel With Ground Return

<i>Model No.</i>	$V_{oc}$ (V)	$I_{sc}$ (mA)	$C_a$ ( $\mu F$ )	$L_a$ (mH)
MTL729P+	+26.3	160	0.49	6.25

Each Channel

Dual Channel With Separate Ground Returns

<i>Model No.</i>	$V_{oc}$ (V)	$I_{sc}$ (mA)	$C_a$ ( $\mu F$ )	$L_a$ (mH)
MTL707P+				
Return	$\pm 14.1$	0	2.85	1000
Signal	$\pm 26.4$	160	0.49	6.21

Dual Channel With or Without Common Ground Return (to same or separate devices)

<i>Model</i>	$V_t$ (V)	$I_t$ (mA)	$C_a$ ( $\mu F$ )	$L_a$ (mH)
MTL707P+	+27.4	160	0.45	6.21

**Equipment Ratings:**

Associated apparatus with Intrinsically safe outputs for connection to Class I, II, III, Division 1, Groups A, B, C, D, E, F and G; hazardous (Classified) locations. Non-incendive for use in Class I, Division 2, Groups A, B, C and D; Class I, hazardous (Classified) locations.

**FM Approved for:**

Measurement Technology Ltd  
Great Marlings, Butterfield, Luton, United Kingdom



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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

Original Project ID: 0W2A5.AX

Approval Granted: June 26, 1992

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3022862	April 4, 2005		
3045568	June 26, 2013		

FM Approvals LLC

J.E. Marquedant  
Group Manager, Electrical

1 July 2013

Date