



Member of the FM Global Group

FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

SP2-ab-c SmartPurge2 Purge Control Unit

I/1/Ex e ib m [p] IIC T4 -20°C ≤ Ta ≤ 60°C;-SD8113; Entity; IP64

a = P or F, System type

b = M or L, Supply voltage

c = ss or al, Enclosure material

Entity parameters

	Terminal TB1	U ₀ (Vdc)	I ₀ (mA)	C ₀ (μF)	L ₀ (mH)	P ₀ (W)
SOV	1,2	23.58	165.5	0.091	2.9	0.975
IP	3,4	23.58	165.5	0.091	2.9	0.975
Remote Output	9,10,11,12	8.465	405.1	5.145	0.48	0.857
External alarm	5,6	5.88	5.9	Negligible	0	0.009
Over-ride	7,8	5.88	5.9	Negligible	0	0.009

SP2-RP SmartPurge2 Remote Panel

I/1/Ex ib IIC T4 -20°C ≤ Ta ≤ 60°C;- SD8113; Entity

Entity parameters

Ui (Vdc)	Ii(mA)	Ci (μF)	Li (mH)	Pi (W)
8.465	405.1	5.145	0.48	0.857

Equipment Ratings:

The SmartPurge2 Purge Control Unit is FM Approved for Class I, Zone 1, Ex e ib m [p] IIC Hazardous Locations (indoors/outdoors; IP64) for Canada when installed as per control drawing SD8113. The SmartPurge2 Remote Control Terminal is FM Approved for Class I, Zone 1, Ex ib IIC T4 Hazardous Locations for Canada when installed as per control drawing SD8113.

FM Approved for:

Expo Technologies Ltd
Sunbury on Thames, Surrey 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:

CSA C22.2 No.1010.1	2004
CSA C22.2 No.60529	2010
CAN/CSA E60079-0	2011
CAN/CSA E60079-2	2012
CAN/CSA E60079-7	2012
CAN/CSA E60079-11	2011
CAN/CSA E 60079-18	2012

Original Project ID: 3047764C

Approval Granted: January 10, 2014

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

10 January 2014

 Date