



AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

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Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Dallas, TX

Control Number: 65454

Authorized by: 
William T. Starr, Certification Manager



This document supersedes all previous Authorizations to Mark for the noted Report Number.

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Standard(s): Standard for Safety for Explosive atmospheres - Part 0: Equipment - General requirements (ANSI/UL 60079-0-2009, Fifth Edition, Dated October 21, 2009);
Standard for Safety for Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety "i" (ANSI/UL 60079-11-2009, Fifth Edition, Dated September 30, 2009);
Electrical apparatus for explosive gas atmospheres – Part 0: General requirements (CAN/CSA-C22.2 No. 60079-0:07, 1st Ed.);
Electrical apparatus for explosive gas atmospheres – Part 11: Intrinsic safety "i" (CAN/CSA-E60079-11:02, 2nd Ed., Reaffirmed 2006)



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Intrinsically Safe Surcharge Velocity Sensor

Product:

For Use In: Class I, Zone 1 Hazardous Locations when used in accordance with control drawing SVS-V1
Classification: AEx ib IIB T4 Gb and Ex ib IIB T4 Gb
Entity Parameters: $U_i = 8 \text{ VDC}$; $I_i = 1 \text{ A}$; $P_i = 1.8 \text{ W}$; $L_i = 0 \text{ uH}$; $C_i = 0.1 \text{ uF}$; $L_i/R_i = 17.70 \text{ uH/Ohm}$
Ambient: $-10\text{C} < T_{amb} < 50\text{C}$

Models:

SVS, model 6000064XX where XX can be any numeric up to 250