



Certificate of Compliance

Certificate: 1607857 (LR 54227-15)

Master Contract: 173246

Project: 1607857

Date Issued: 2005/09/16

Issued to: Samson AG

Mess- Und Regeltechnik
Department E71
Weismuellerstrasse 3
Frankfurt, 60314
Germany
Attention: Holger Pflug

The products listed below are eligible to bear the CSA Mark shown



Issued by: Jimmy Lu

Authorized by: Nick Alfano, Operations
Manager

PRODUCTS

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For
Hazardous Locations

Ex ia IIC T6; Class I, Zone 0:

Class I, Division 1, Groups ABCD; Class II, Division 1; Groups E, F and G; Class III:

Model 3963 Solenoid Valve, Temperature Code T6 at ambient of +60°C, T5 at +70°C and T4 at +80°C; Type 4
Enclosure; Intrinsically safe when installed per Samson AG control installation drawing EB 3963 EN.



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CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Class I, Div. 2, Groups A, B, C and D; Class II, Div 2, Groups E, F and G; Class III:

Model 3963 Solenoid Valve, input rated 6VDC/12 VDC/ 24 VDC, 22mA max, 20-150mW; Temperature Code T6 at ambient of +60°C, T5 at +70°C and T4 at +80°C; Type 4 Enclosure.

APPLICABLE REQUIREMENTS

CSA-C22.2 No. 25-1966 - Enclosures for Use in Class II, Groups E, F and G Hazardous Locations

CAN/CSA-C22.2 No. 94-M91 - Special Purpose Enclosures

CSA-C22.2 No.142-M1987 - Process Control Equipment

CAN/CSA C22.2 No. 157-1992 - Intrinsically Safe and Non-incendive Equipment for Use in Hazardous Locations

CSA C22.2 No. 213-M1987 - Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

CAN/CSA-E60079-0:02 - Electrical Apparatus for Explosive Atmospheres, Part 0 - General Requirements

CAN/CSA-E60079-11:02 - Electrical Apparatus for Explosive Atmospheres, Part 11 - Intrinsic Safety "i"

MARKINGS

- CSA Monogram;
- Submittor identification;
- Model number;
- Serial number or date code;
- Electrical rating/Entity parameters
- Hazardous location designation;
- Reference to installation drawing number;
- The Caution: "Warning - Substitution of Components May Impair Intrinsic Safety";
- Temperature code rating
- Maximum ambient



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- Certification year and Certificate number followed by an indicator 'X'



Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
1607857	2005/09/16	Update to LR 54227-15 to cover Entity requirements per C22.2 No 157 and E60079-11, and Class II.

History

LR 54227-33 98/10/15 Solenoid valve coil 1079-22xx for Model 3963-3 Solenoid Valve.

LR 54227-27 97/02/27 Upgrade to Type 4 enclosure.

LR 54227-15 92/04/21 Original Certification.