



Certificate of Compliance

Certificate: 2236405

Master Contract: 248490

Project: 2344516

Date Issued: March 25, 2011

Issued to: Schischek GmbH

Explosionsschutz
45 Muhlsteig Gewerbegebiet V
Langenzenn,
Germany
Attention: T Kellermann

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Dennis Jeffrey

Issued by: Dennis Jeffrey

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations -
Certified to US Standards

Class I, Division 1 Groups B, C and D; Class II, Division 1, Groups E, F and G; Class III; T4/ T5/ T6;

Electrical Actuator Type ExMax-, Type ExRun- and Type ExPlus-: see ratings and temperatures below.
Enclosure Type 4X.

CLASS – 2258 03 PROCESS CONTROL EQUIPMENT – Intrinsically Safe and Non-Incendive Systems –
For Hazardous Locations

CLASS – 2258 83 PROCESS CONTROL EQUIPMENT – Intrinsically Safe and Non-Incendive Systems –
For Hazardous Locations – Certified to U.S. Standards

NI, Class I, II, III, Division 2, Groups A, B, C and D, T4/ T5/ T6; Enclosure 4X;



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NI, Class I, II, III, Zone 2, AEx nC [ia] IIC T6 or AEx nC II T6; Enclosure 4X;

Ex nC [ia] IIC T6 or Ex nC II T6; Enclosure 4X;

Electrical Actuator Type RedMax-, Type RedRun- and Type RedPlus-: see ratings and temperatures below. Non-Incendive for Class I, Div. 2, Group A, B, C and D per Control Drawing XA and providing Intrinsically Safe circuits for Class I, Div. 1, Group A, B, C and D; Class II, Div. 1, Groups E, F and G; Class III.

XP, Class I, Zone 1 AEx d ia IIC T6/ T5

Ex d ia IIC T6/ T5

Electrical Actuator Type ExMax-, Type ExRun- and Type ExPlus-: see ratings and temperatures below. Explosion-Proof and Dust-Tight with intrinsically circuits, connected per Control Drawing XA.

The permitted ambient temperatures are:

-40°C to +40°C at temperature class T6

-40°C to +50°C at temperature class T5

-40°C to +60°C at temperature class T4

The actuator is an explosion proof device suitable for installation in hazardous (classified) locations. The electrical actuator is used for adjust dampers, valves, fire shutter, etc.

Maximum Entity and Nonincendive Field Wiring Parameters for:

Supply circuit

Wire 1, 2 U 24 ...240 VAC/DC +/- 10%

 f 50 ... 60 Hz

IS Sensor circuit

Wire (plug) for external sensor

linear characteristic

- $V_{oc} = U_0 \leq 10.6 \text{ VDC}$
- $I_{sc} = I_0 \leq 22 \text{ mA}$
- $P_0 \leq 60 \text{ mW}$



CSA INTERNATIONAL

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Groups

	A&B/IIC	C/IIB	D/IIA
Ca = C0 ≤	200 nF	1000 nF	2000 nF
La = L0 ≤	1 mH	5 mH	10 mH

APPLICABLE REQUIREMENTS

CSA C22.2 No. 0-M91 (R 2006)	General Requirements – Canadian Electrical Code, Part II
CSA C22.2 No. 25-1966 (R 2009)	Enclosures for Use in Class II Groups E, F, and G Hazardous Locations
CSA C22.2 No. 30-M1986 (R 2007)	Explosion-Proof Enclosures for Use in Class I Hazardous Locations Industrial Products – Third Edition
CSA C22.2 No. 94-M91 (R 2006)	Special Purpose Enclosures
CSA C22.2 No. 157-92 (R 2006)	Intrinsically Safe and Non-incendive Equipment for use in Hazardous Locations
CSA C22.2 No. 213-M 1987 (R 2008)	Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
CSA C22.2 No. 61010-1-04	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements
CSA C22.2 No. 60079-0-07	Electrical apparatus for explosive gas atmospheres – Part 0: General requirements.
CSA C22.2 No. 60079-1-07	Electrical apparatus for explosive gas atmospheres – Part 1: Flameproof enclosures "d"
CSA E60079-11-02 (R 2006)	Electrical apparatus for explosive gas atmospheres – Part 11: Intrinsic Safety "i"
CSA E60079-15-02 (R 2006)	Electrical apparatus for explosive gas atmospheres – Part 15: Type of protection "n"
UL Standard No. 50:2007	Enclosures for Electrical Equipment
ANSI/UL Standard 913	Intrinsically Safe Apparatus and Associated Apparatus For Use in Class I, II and III, Div. 1 Hazardous (Classified) Locations
UL 969	Marking and Labeling Systems – Fourth Edition; Reprint with revisions through and including November 24, 2008
UL 1203	Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations - Fourth Edition; Reprint with Revisions through and Including October 28, 2009
ANSI/UL Standard 1604	Non-incendive Equipment for use in Class I, Division 2 hazardous locations.



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MARKINGS

The following markings are provided on a CSA Certified (Class 7921-01) and UL Recognized (PGDQ2) adhesive nameplate, which is suitable for indoor/outdoor use, at a maximum service temperature of 135°C or higher. Nameplate is affixed to the outside of the housing.

- Manufacturer's name: "Schischek", or CSA Master Contract Number "248490", adjacent to the CSA Mark in lieu of manufacturer's name.
- Model number: As specified in the PRODUCTS section, above.
- Electrical ratings: As specified in the PRODUCTS section, above.
- Maximum ambient temperature rating: As specified in the PRODUCTS section, above.
- Manufacturing date in MMY format, or serial number, traceable to month of manufacture.
- Enclosure ratings: As specified in the PRODUCTS section, above.
- The CSA Mark with or without "C" and "US" indicators, as shown on the Certificate of Conformity.
- Hazardous Location designation: As specified in the PRODUCTS section, above (may be abbreviated).
- Temperature code: As specified in the PRODUCTS section, above.
- The following words:
 - "WARNING – EXPLOSION HAZARD – Do not connect while circuit is live unless area is known to be nonhazardous."

For complete markings details see the label drawings.

Note - Jurisdictions in Canada may require these markings to also be provided in French language. It is the responsibility of the manufacturer to provide bilingual marking, where applicable, in accordance with the requirements of the Provincial Regulatory Authorities. It is the responsibility of the manufacturer to determine this requirement and have bilingual wording added to the "Markings".