



Certificate of Compliance

Certificate: 80042293

Master Contract: 167534

Project: 80103250

Date Issued: May 6, 2022

Issued To: MSA - The Safety Company
1000 Cranberry Woods Dr
Cranberry Township, Pennsylvania, 16066-5296
United States

Attention: Frederick Bock

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.

Issued by: Semyon Baum
Semyon Baum



PRODUCTS

CLASS - C225804 - PROCESS CONTROL EQUIPMENT Intrinsically Safe, Entity - For Hazardous Locations

CLASS - C225884 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations - Certified to US Standards

Class I, Division 1, Groups A, B, C, D; Class II, Division 1, Group E, F, G; Class III, T5

Ex db [ia Ga] IIC T5 Gb

Ex tb [ia Da] IIIC T100°C Db

Class I, Zone 1, AEx db [ia Ga] IIC T5 Gb

Zone 21, AEx tb [ia Da] IIIC T100°C Db



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HART Port 5000, associated apparatus. Rated 8-30VDC, 600mA max. input provided by Class 2 or SELV source. $-40^{\circ}\text{C} \leq T_a \leq 60^{\circ}\text{C}$. Enclosure Type 4X, IP66. Intrinsically Safe output when installed per drawing SK3098-1459.

Conditions of Acceptability:

1. Under certain extreme circumstances, the non-metallic parts incorporated in the enclosure of this equipment may generate an ignition-capable level of electrostatic charge. Therefore, the equipment shall only be cleaned with a damp cloth.
2. The flameproof joints shall not be repaired.
3. The HART Port 5000 is provided with $\frac{3}{4}$ "-14 NPT threads and shall only be connected to a suitably certified enclosure. The installation to the certified enclosure shall be with five fully engaged threads, tightened wrench-tight.
4. The HART Port 5000 shall only be fitted to enclosures having a maximum reference pressure of 34.4 bars.
5. The HART Port 5000 shall be connected directly to a suitably certified junction box or instrument for the hazardous area of installation and thereby provide Ex protection for the flying lead connections.
6. The manufacturer is responsible for and shall include in the instruction manual the minimum particulars of all applicable instructional information required for the equipment by clause 30 of CSA / UL 60079-0 — i.e., the certificates.
7. The Ingress Protection rating is exclusively based upon the installation instruction for orientation specified in the operating manual.
8. The external bonding of the metallic enclosure may be achieved using the external bonding connection facility and/or threaded entry as part of the installation.

APPLICABLE REQUIREMENTS

C22.2 No. 0-10 (r2015)	General requirements — Canadian Electrical Code, Part II
CAN/CSA-C22.2 No. 61010-1-12 (r2017)	Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 1: General requirements
C22.2 No. 30-M1986 (r2016)	Explosion-proof enclosures for use in class I hazardous locations
CSA C22.2 No. 60079-0:19	Explosive atmospheres — Part 0: Equipment — General requirements
CAN/CSA-C22.2 No. 60079-1:16	Explosive atmospheres — Part 1: Equipment protection by flameproof enclosures "d"
CAN/CSA-C22.2 No. 60079-11:14	Explosive atmospheres — Part 11: Equipment protection by intrinsic safety "i"
CAN/CSA-C22.2 No. 60079-31:15	Explosive atmospheres — Part 31: Equipment dust ignition protection by enclosure "t"
C22.2 No. 94.2-15	Enclosures for electrical equipment, environmental considerations



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CAN/CSA C22.2 No. 25-17 (Fourth Edition)	Enclosures for use in Class II, Division 1, Groups E, F, and G hazardous locations
ANSI/UL 61010-1-2018	Electrical Equipment For Measurement, Control, and Laboratory Use; Part 1: General Requirements
ANSI/UL 60079-0-2019	Explosive Atmospheres – Part 0: Equipment – General Requirements
ANSI/UL 60079-1-2020	Explosive Atmospheres – Part 1: Equipment Protection by Flameproof Enclosures “d”
ANSI/UL 60079-11-2018	Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety “i”
ANSI/UL 60079-31-2015	Explosive Atmospheres – Part 31: Equipment Dust Ignition Protection by Enclosure “t”
ANSI/UL 50E-2015	Enclosures for Electrical Equipment, Environmental Considerations
FM 3600 – January 2018	Electrical Equipment for Use in Hazardous (Classified) Locations - General Requirements
FM 3615 – January 2018	Explosionproof Electrical Equipment General Requirements
FM 3616 – December 2011	Dust-Ignitionproof Electrical Equipment General Requirements

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.



The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

- Manufacturer's name: " MSA – The Safety Company ", or CSA Master Contract Number “167534”, adjacent to the CSA Mark in lieu of manufacturer's name.
- Model designation: As specified in the PRODUCTS section, above.
- Electrical ratings: As specified in the PRODUCTS section, above.
- Ambient temperature rating: As specified in the PRODUCTS section, above.
- Manufacturing date in MMY format, or serial number, traceable to year and month of manufacture.
- Enclosure ratings: As specified in the PRODUCTS section, above.
- The CSA Mark, with or without the “C” and “US” indicators, as shown on the Certificate of Conformity.
- Certificate number adjacent to CSA Monogram (20.80042293X);
- Hazardous Location designation: As specified in the PRODUCTS section, above (may be abbreviated).



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- Method of Protection markings (Ex -- markings): As specified in the PRODUCTS section, above
- Temperature code: As specified in the PRODUCTS section, above.
- ISO 3864 Symbol B.3.1  or ISO 7000 symbol 0434  (triangle with exclamation point)
- Hazardous Location Method of Protection markings (Ex markings): “ASSOCIATED EQUIPMENT for Class I, Division 1, Groups A, B, C, and D Ex [ia Ga] IIC” and “Class I, Zone 1 AEx [ia Ga] IIC”. The word “Class” may be abbreviated “CL”, the word “Division” may be abbreviated “DIV” or “DV”, and the word “Groups” may be abbreviated “GRP” or “GP”. The words: “ASSOCIATED EQUIPMENT”, may be substituted with “ASSOCIATED APPARATUS”, or “ASSOCIATED DEVICE”.
- The following words:
 - “[Ex ia]”.
 - The words: “ASSOCIATED EQUIPMENT”
 - “Install per drawing SK3098-1459.”
 - Um = 250VAC
 - “WARNING: READ AND UNDERSTAND MANUAL BEFORE USING. DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT. POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS IN MANUAL” and “ AVERTISSEMENT: LISEZ ET COMPRENEZ LE MANUEL AVANT L'UTILISATION. NE PAS OUVRIR LORSQU'UNE ATMOSPHERE EXPLOSIVE EST PRÉSENTE. RISQUE POTENTIEL DE CHARGE ÉLECTROSTATIQUE - VOIR LES INSTRUCTIONS DANS LE MANUEL ”

Nameplate adhesive label material approval information:

The marking is provided on an adhesive-type nameplate, CSA Certified under class 7921-06 and UL Recognized under Category Code PGDQ2. Nameplate is Type A - Heavy Duty, Pressure sensitive “300” with clear polyester lamination (3 to 4 mil) overall, manufactured by Nelson Name Plate Co., and consists of Autotex Steel label material and 3M 9472LE 300 series adhesive material. The nameplate is affixed to the side circumference of the unpainted cylindrical aluminum or stainless-steel enclosure, and is suitable for indoor or outdoor use on such metals. Additional labels or casted markings are located adjacent to enclosure entries in order to identify the thread form of each entry for field wiring compartments.

Notes:

Products certified under Class C225804, C225884 have been certified under CSA’s ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca

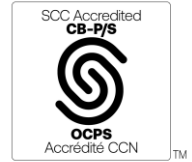




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Supplement to Certificate of Compliance

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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
80103250	2020-05-06	Evaluation for update to CSA report 80042293. 1. Update to approval drawings SK3098-1458 and SK3098-1459 to add UKCA marking. 2. Update PCB drawing 10076888 to update PCB material specs to match company current standard.
80042293	2020-12-21	Original certification for evaluation for the issuing of cCSAus Certification of HART Port 5000 as: Class I, Division 1, Groups A, B, C, D T5; Class I, Zone 1, AEx db [ia] IIC T5 Gb; AEx tb [ib] IIIC T85°C Db; Ex db [ia] IIC T5 Gb; Ex tb [ib] IIIC T85°C Db; Class II, Division 1 Groups E, F, G; Class III, T5; IP 66 and Type 4X.