



Certificate of Compliance

Certificate: 80041015

Master Contract: 263979

Project: 80041015

Date Issued: October 21, 2020

Issued to: Masterwatt S.r.l.
Via Collegno 31
Pianezza, Turin
10044
ITALY

Attention: Fabrizio Burgio

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:

M Curkovic

PRODUCTS

CLASS 2258-02 – PROCESS CONTROL EQUIPMENT – For Hazardous Locations

CLASS 2258 82 – PROCESS CONTROL EQUIPMENT – For Hazardous Locations – certified to U.S. standards

Ex db IIC T6 – T4, Gb

Ex tb IIIC T85°C – T135°C Db

Class I, Zone 1, AEx d IIC T6 – T4, Gb

AEx tb IIIC T85°C – T135°C Db

Class I Div 2 Groups A, B, C, D T6 – T4

Class II Div 2 Groups F, G T85°C – T135°C

Type 4X

The Explosion-Proof Sensor Assembly (EXSA), models:

- The EXSA with one temperature sensor (Model EXSA-1)
- The EXSA with three temperature sensors (Model EXSA-3)

Rated at 30VDC, 100mA max.

Ambient Temperature: from -50°C to +60°C



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Conditions of Acceptability:

1. The temperature class depends on the process temperature
2. Graphite type tape shall be applied to the entry threads
3. The equipment was evaluated from the point of electrical safety. Mechanical requirements as they may apply are not part of this scope and are subject to acceptance by Local Inspection Authority Having Jurisdiction.
4. Flameproof joints are not intended to be repaired
5. Wiring of the sensors to the terminal box is not in the scope of this certification. Final assembly shall be done according to MASTERWATT instructions. The suitability of the combination in the final application will be determined by Local Inspection Authority Having Jurisdiction.
6. This equipment is to be powered from NEC Class 2 Power Supply, or Limited Power Source or Limited Energy Source
7. Final assembly shall provide mechanical protection to the conductors (i.e. rigid conduit, certified liquid tight conduit, etc...)

APPLICABLE REQUIREMENTS

CAN/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. 60079-31:15	-	Explosive Atmospheres – Part 31: Equipment Dust Ignition Protection by Enclosure “t”
C22.2 No. 94.2-15		Enclosures for electrical equipment, environmental considerations
CAN/CSA C22.2 No. 61010-1-12, UPD1, UPD2, AMD1:2018	-	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements – Third Edition
ANSI/UL 60079-0:2019 Ed7 (R2020)	-	Explosive Atmospheres – Part 0: Equipment – General Requirements
ANSI/UL 60079-1:2015 Ed7 (R2020)	-	Explosive Atmospheres – Part 1: Equipment Protection by Flameproof Enclosures “d”
ANSI/UL 60079-31 :2015	-	Explosive Atmospheres – Part 31: Equipment Dust Ignition Protection by Enclosure “t”
UL 50E	-	Enclosures for Electrical Equipment, Environmental Considerations
ANSI/UL 61010-1; Revised 2018 (3rd Edition)	-	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements



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MARKINGS

The manufacturer is required to apply the following markings:

1. Submitter's identification (company name);
2. Model designation: As specified in the PRODUCTS section, above
3. Electrical ratings: As specified in the PRODUCTS section, above.
4. Serial number, traceable to year and month of manufacture
5. CSAus Monogram
6. Hazardous Location designation: As specified in the PRODUCTS section
7. Ambient temperature: As specified in the PRODUCTS section
8. Warning: Do not open when energised.
9. Certificate No CSA20CA80041015X

Method of Marking:

Stainless steel etched nameplate mechanically secured and visible after installation.