



Certificate of Compliance

Certificate: 2515401

Master Contract: 180267

Project: 70217364

Date Issued: 2019-04-30

Issued To: BARTEC GmbH
Max-Eyth-Str 16
Bad Mergentheim, Baden-Württemberg, 97980
Germany

Attention: Cristian Olareanu

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: *Marin Banu*
Marin Banu

PRODUCTS

CLASS - C225802 - PROCESS CONTROL EQUIPMENT-For Hazardous Locations-

CLASS - C225882 - PROCESS CONTROL EQUIPMENT-For Hazardous Locations - Certified to US Standards

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.

CLASS 2258 02 PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Class I, Div. 2, Groups A, B, C and D T4/T5/T6



Ex d e m q ia/ib [ia] IIA/IIB/IIC T6, T5, T4; Gb
Ex d e m q ia/ib [ib] IIA/IIB/IIC T6, T5, T4; Gb

- Control Station, Type 07-31**_****/****/07-3S**_****/**, rated voltage max. 1000V rated current 160 A Gas, max. 120mm² conductor, Ambient temperature range: -55°C up to +80°C. Temperature Class T4/T5/T6,. Degrees of Protection IP54.

Class I, Div. 2, Groups A, B, C and D T4/T5/T6

Class I, Zone 1

Ex d e m q ia/ib [ia] IIA/IIB/IIC T6, T5, T4; Gb
Ex d e m q ia/ib [ib] IIA/IIB/IIC T6, T5, T4; Gb

- Control Station, Type 07-31**_****/****/07-3S**_****/**, rated voltage max. 1000V rated current 160 A, Gas, max. 120mm² conductor, Ambient temperature range: -50°C up to +80°C. Temperature Class T4/T5/T6. Degrees of Protection IP66.

Note: The ratings are for equipment using Encl. Type AS**, manufactured by NUOVA ASP.

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

Class I, Div. 2, Groups A, B, C and D T4/T5/T6

Class I, Zone 1

AEx d e m q ia/ib [ia] IIA/IIB/IIC T6, T5,T4; Gb
AEx d e m q ia/ib [ib] IIA/IIB/IIC T6, T5,T4; Gb

- Control Station, Type 07-31**_****/****/07-3S**_****/**, rated voltage max. 1000V rated current 160 A Gas, max. 120mm² conductor, Ambient temperature range: -55°C up to +80°C. Temperature Class T4/T5/T6. Degrees of Protection IP54.

Class I, Div. 2, Groups A, B, C and D T4/T5/T6

Class I, Zone 1

AEx d e m q ia/ib [ia] IIA/IIB/IIC T6, T5,T4; Gb
AEx d e m q ia/ib [ib] IIA/IIB/IIC T6, T5,T4; Gb

- Control Station, Type 07-31**_****/****/07-3S**_****/**, rated voltage max. 1000V rated current 160 A, Gas, max. 120mm² conductor, Ambient temperature range: -50°C up to +80°C. Temperature Class T4/T5/T6. Degrees of Protection IP66. (for equipment using Encl. Type AS**)

Note: The ratings are for equipment using Encl. Type AS**, manufactured by NUOVA ASP.

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



Ex [ia/ib] DIP A21 TA 80°C, TA95°C, TA130°C; IP65

- Control Station, Type 07-31**-****/****/07-3S**-****/****, rated voltage max. 1000V rated current 125 A, max. 120mm² conductor, Ambient temperature range: -55°C up to +80°C. Temperature Class T80°C, T95°C, T130°C. Degrees of Protection IP65.

Ex tb [ia/ib] IIIC T 80°C, T95°C, T130°C; IP66

- Control Station, Type 07-31**-****/****/07-3S**-****/****, rated voltage max. 1000V rated current 125 A, max. 120mm² conductor, Ambient temperature range: -50°C up to +80°C. Temperature Class T80°C, T95°C, T130°C. Degrees of Protection IP66.

Note: The ratings are for equipment using Encl. Type AS**, manufactured by NUOVA ASP.

CLASS 2258 84 PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations – Certified to US Standards

AEx tD [ia/ib] 21 T 80°C, T95°C, T130°C; IP65

- Control Station, Type 07-31**-****/****/07-3S**-****/****, rated voltage max. 1000V rated current 125 A, max. 120mm² conductor, Ambient temperature range: -55°C up to +80°C. Temperature Class T80°C, T95°C, T130°C. Degrees of Protection IP65.

AEx tb [ia/ib] IIIC T 80°C, T95°C, T130°C; IP66

- Control Station, Type 07-31**-****/****/07-3S**-****/****, rated voltage max. 1000V rated current 125 A, max. 120mm² conductor, Ambient temperature range: -50°C up to +80°C. Temperature Class T80°C, T95°C, T130°C. Degrees of Protection IP66.

Note: The ratings are for equipment using Encl. Type AS**, manufactured by NUOVA ASP.

APPLICABLE REQUIREMENTS

CSA Std C22.2 No. 0-10	- General Requirements – Canadian Electrical Code, Part II
CAN/CSA-C22.2 No. 61010-1-12	- Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
CAN/CSA C22.2 No 213 (2nd Edition)/	- Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations
CAN/CSA-C22.2 No. 60079-0:07	- Electrical apparatus for explosive gas atmospheres – Part 0: General requirements
CAN/CSA-C22.2 No. 60079-1:07	- Electrical apparatus for explosive gas atmospheres –



CAN/CSA E60079-11:02 (R2006)	- Part 1: Flameproof enclosures "d"
CAN/CSA-C22.2 No. 60079-7:03	- Electrical apparatus for explosive gas atmospheres – Part 11: Intrinsic safety "i"
CAN/CSA-C22.2 No. 60079-5:11	- Electrical apparatus for explosive gas atmospheres – Part 7: Increased safety "e"
CAN/CSA-C22.2 No. 60079-18:12	- Explosive atmospheres – Part 5: Equipment protection by powder filling "q"
CAN/CSA-E61241-1-1:02	- Explosive atmospheres – Part 18: Equipment protection by encapsulation "m"
CAN/CSA-C22.2 No. 60079-31:12	- Electrical apparatus for use in the presence of combustible dust - Part 1: Electrical apparatus protected by enclosures
CAN/CSA-C22.2 No. 60529:05 (R 2010)	- Explosive Atmospheres – Part 31: Equipment Dust Ignition Protection by Enclosure "t"
UL Std. No. 916, Ed 4 (2007)	- Degrees of protection provided by enclosures (IP Code)
UL Std No. 508 , Ed 17 (1999)	- Energy Management Equipment
ANSI/UL 60079-0 (5th Edition 2009)	- Electric Industrial Control Equipment
ANSI/UL 60079-1 (6th Edition 2009)	- Explosive Atmospheres – Part 0: Equipment - General Requirements
ANSI/UL 60079-11(5th Edition 2009)	- Explosive Atmospheres – Part 1: Equipment Protection by Flameproof Enclosures "d"
ANSI/UL 60079-7 (Ed 4 th 2008)	- Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety "i"
ANSI/ISA-61241-0 (12.10.02)-2006 (R2011)	- Explosive Atmospheres – Part 7: Equipment Protection by Increased Safety "e"
ANSI/ISA-61241-1 (12.10.03)-2006 (R2011)	- Electrical Apparatus for Use in Zone 20, Zone 21 and Zone 22 Hazardous (Classified) Locations – General Requirements
ANSI/ISA-60079-31 (12.10.03)-2009	- Electrical Apparatus for Use in Zone 21 and Zone 22 Hazardous (Classified) Locations – Protection by Enclosures "tD"
ANSI/ISA-60079-5	- Explosive Atmospheres – Part 31: Equipment Dust Ignition Protection by Enclosure "t"
ANSI/ISA-60079-18 (12.23.01)-2009	- Explosive Atmospheres – Part 5: Equipment Protection by powder filling "q"
ANSI/IEC 60529-2004	- Explosive Atmospheres – Part 18: Equipment Protection by encapsulation "m"
ANSI/ISA-60079-27 (12.02.04)-2006	- Degrees of protection provided by enclosures (IP Code)
ANSI/ISA-12.12.01 (2013)	- Fieldbus Intrinsically Safe Concept (FISCO) and Fieldbus Non-Incendive Concept (FNICO)
	- Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations

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.

Product markings shall be in accordance with the related standards. In addition, it shall be the responsibility of the manufacturer to provide additional markings on the product to comply with the requirements of the local regulatory authorities. For example, in Canada, any caution and warning markings must be provided in French and English.

- Company name
- Model number
- Serial number
- Electrical rating
- CSA Monogram with C/US indicators
- CSA Certificate Number CSA 12.2515401
- Maximum ambient
- Caution re Substitution of components
- Caution re Explosion hazard
- Hazardous location ratings
- Temperature Class

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".



Supplement to Certificate of Compliance

Certificate: 2515401

Master Contract: 180267

*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
70217364	2019-04-30	Update CSA Report 2515401 to add two new enclosures
000070010167	2014-12-04	cCSAus certification of A7-3***-****/**** Control Station for use in Zone 2/22 area
0002625894	2013-05-15	Update to Report 2515401 to include new enclosure TNCN series and Fieldbus Indicator
0002515401	2012-07-26	CSAc-us Certification of Control Station as Class I Zone 1 Ex/AEx de ia/ib [ia/ib]mb q IIA/IIB/IIC, tD [ia/ib]A21 IP65 T80 C, T95 C, T 130 C; Degrees of Protection IP54 Gas/IP65 Dust