



Certificate of Compliance

Certificate: 70010169 (LR 85562)

Master Contract: 180267

Project: 70010169

Date Issued: January 21, 2015

Issued to: BARTEC GmbH
Max-Eyth-Str 16
Bad Mergentheim, 97980
Germany
Attention: Sonja Drolshagen

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.



Marin Banu

Issued by: Marin Banu, P. Eng.

PRODUCTS

- CLASS 2258 84** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - - For Hazardous Locations - Certified to US Standards
- CLASS 2258 04** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations
- CLASS 2258 82** - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US Standards
- CLASS 2258 02** - PROCESS CONTROL EQUIPMENT - For Hazardous Locations
- CLASS 2258 02** PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Ex d e nA nC m q ia/ib [ic] IIA/IIB/IIC T6, T5,T4; Gc

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

Ex d e nA nC m q ia/ib [ia Ga] IIA/IIB/IIC T6, T5,T4; Gc



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- Control Station, Type A7-3***-****/**** 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, T80°C, T95°C, T130°C. Degrees of Protection IP54.

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

Class I, Zone 2

AEx d e nA nC m q ia/ib [ic] IIA/IIB/IIC T6, T5,T4; Gc

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

AEx d e nA nC m q ia/ib [ia Ga] IIA/IIB/IIC T6, T5,T4; Gc

- Control Station, Type A7-3***-****/**** 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, T80°C, T95°C, T130°C. Degrees of Protection IP54.

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

Class II, Zone 22

Ex tc [ia/ib/ic] IIIA/IIIB/IIIC T 80°C, T100°C

- Control Station, Type A7-3***-****/****, rated voltage max. 1000V rated current 125 A, max. 120mm² conductor, Ambient temperature range: -55°C up to +80°C. Temperature Class T4/T5/T6, T80°C, T100°C, Degrees of Protection IP6X.

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



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Class II, Zone 22

AEx tc [ia/ib/ic] IIIA/IIIB/IIIC T 80°C, T100°C

- Control Station, Type A7-3***-***/*, rated voltage max. 1000V rated current 125 A, max. 120mm² conductor, Ambient temperature range: -55°C up to +80°C. Temperature Class T4/T5/T6, T80°C, T100°C, Degrees of Protection IP6X.

APPLICABLE REQUIREMENTS

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| 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. 60079-0:07
General requirements | - Electrical apparatus for explosive gas atmospheres – Part 0: |
| CAN/CSA-C22.2 No. 60079-1:07
Flameproof enclosures "d" | - Electrical apparatus for explosive gas atmospheres – Part 1: |
| CAN/CSA E60079-11:02 (R2006)
Intrinsic safety "i" | - Electrical apparatus for explosive gas atmospheres – Part 11: |
| CAN/CSA-C22.2 No. 60079-7:03
Increased safety "e" | - Electrical apparatus for explosive gas atmospheres – Part 7: |
| CAN/CSA-C22.2 No. 60079-5:11
powder filling "q" | - Explosive atmospheres – Part 5: Equipment protection by |
| CAN/CSA-C22.2 No. 60079-15:12
Construction, test and marking of type of protection "n" electrical apparatus | - Electrical apparatus for explosive gas atmospheres - Part 15: |
| AN/CSA-C22.2 No. 60079-18:12
encapsulation "m" | - Explosive atmospheres – Part 18: Equipment protection by |
| CAN/CSA-C22.2 NO. 60079-31:12
protection by enclosure "t" | - Explosive atmospheres - Part 31: Equipment dust ignition |
| CAN/CSA-C22.2 No. 60529:05 (R 2010) | - Degrees of protection provided by enclosures (IP Code) |
| UL Std. No. 61010-1, 2012 | - Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements |



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| ANSI/UL 60079-0 (5th Edition 2009) Requirements | - Explosive Atmospheres – Part 0: Equipment - General |
| ANSI/UL 60079-1 (6th Edition 2009) Flameproof Enclosures “d” | - Explosive Atmospheres – Part 1: Equipment Protection by |
| ANSI/UL 60079-11(5th Edition 2009) Intrinsic Safety “i” | - Explosive Atmospheres – Part 11: Equipment Protection by |
| ANSI/UL 60079-7 (Ed 4th 2008) Increased Safety “e” | - Explosive Atmospheres – Part 7: Equipment Protection by |
| ANSI/UL 60079-15:2013 marking of type of protection “n” electrical apparatus | - Explosive Atmospheres – Part 15: Construction, test and |
| ANSI/ISA 60079-31(12.10.03)- 2009 Dust - Protection by enclosure “t” | - Electrical apparatus for explosive gas atmospheres - Part 31: |
| ANSI/ISA-60079-5 by powder filling “q” | - Explosive Atmospheres – Part 5: Equipment Protection |
| ANSI/ISA-60079-18 encapsulation “m” | - Explosive Atmospheres – Part 18: Equipment Protection by |
| ANSI/IEC 60529-2004 | - Degrees of protection provided by enclosures (IP Code) |

MARKINGS

- Company name
- Model number
- Serial number
- Electrical rating
- CSA Monogram with C/US indicators
- CSA Certificate Number CSA 15.70010169
- Maximum ambient
- Caution re Substitution of components
- Caution re Explosion hazard
- Hazardous location ratings



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- 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".