Certificate of Compliance

Certificate: 2515401 (LR 85562) **Master Contract:** 180267

Project: 2515401 **Date Issued:** July 26, 2012

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

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

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - 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

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: -55ºC up to +80ºC. Temperature Class T4/T5/T6, T80ºC, T95ºC, T130ºC. Degrees of Protection IP54.

Certificate:	2515401 (LR 85562)	**Master Contract:**	180267
Project:	2515401	**Date Issued:**	July 26, 2012

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

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: -55ºC up to +80ºC. Temperature Class T4/T5/T6, T80ºC, T95ºC, T130ºC. Degrees of Protection IP54.

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: -20ºC up to +60ºC. Temperature Class T4/T5/T6, T80ºC, T95ºC, T130ºC. Degrees of Protection IP65.

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

Class II, Zone 21

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: -20ºC up to +60ºC. Temperature Class T4/T5/T6, T80ºC, T95ºC, T130ºC. Degrees of Protection IP65.

APPLICABLE REQUIREMENTS

CSA Std C22.2 No. 0-10	-	General Requirements – Canadian Electrical Code, Part II
CSA STD C22.2 No. 142-M1987 (R 2004)	-	Process Control Equipment
CAN/CSA-C22.2 No. 60079-0:07	-	Electrical apparatus for explosive gas atmospheres – Part 0: General requirements

Certificate:	2515401 (LR 85562)	**Master Contract:**	180267
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CAN/CSA-C22.2 No. 60079-1:07	-	Electrical apparatus for explosive gas atmospheres – Part 1: Flameproof enclosures "d"
CAN/CSA E60079-11:02 (R2006)	-	Electrical apparatus for explosive gas atmospheres – Part 11: Intrinsic safety "i"
CAN/CSA-C22.2 No. 60079-7:03	-	Electrical apparatus for explosive gas atmospheres – Part 7: Increased safety "e"
CAN/CSA-C22.2 No. 60079-15:11	-	Explosive atmospheres – Part 18: Equipment protection by powder filling “q”
CAN/CSA-C22.2 No. 60079-18:12	-	Explosive atmospheres – Part 18: Equipment protection by encapsulation “m”
CAN/CSA-E61241-1-1:02	-	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)	-	Degrees of protection provided by enclosures (IP Code)
UL Std No. 916, Ed 4 (2007)	-	Energy Management Equipment
UL Std No. 508, Ed 17 (1999)	-	Electric Industrial Control Equipment
ANSI/UL 60079-0 (5th Edition 2009)	-	Explosive Atmospheres – Part 0: Equipment - General Requirements
ANSI/UL 60079-1 (6th Edition 2009)	-	Explosive Atmospheres – Part 1: Equipment Protection by Flameproof Enclosures “d”
ANSI/UL 60079-11(5th Edition 2009)	-	Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety "i"
ANSI/UL 60079-7 (Ed 4th 2008)	-	Explosive Atmospheres – Part 7: Equipment Protection by Increased Safety "e"
ANSI/ISA-61241-0 (12.10.02)-2006 (R2011)	-	Electrical Apparatus for Use in Zone 20, Zone 21 and Zone 22 Hazardous (Classified) Locations – General Requirements
ANSI/ISA-61241-1 (12.10.03)-2006 (R2011)	-	Electrical Apparatus for Use in Zone 21 and Zone 22 Hazardous (Classified) Locations – Protection by Enclosures “tD”

Certificate:	2515401 (LR 85562)	**Master Contract:**	180267
Project:	2515401	**Date Issued:**	July 26, 2012

ANSI/ISA-60079-5 by	-	Explosive Atmospheres – Part 5: Equipment Protection powder filling “q”
ANSI/ISA-60079-18	-	Explosive Atmospheres – Part 18: Equipment Protection by encapsulation “m”
ANSI/IEC 60529-2004	-	Degrees of protection provided by enclosures (IP Code)

Certificate of Compliance

Certificate: 2515401 (LR 85562) **Master Contract:** 180267

Project: 70010167 **Date Issued:** December 4, 2014

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

PRODUCTS

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 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: -55ºC up to +80ºC. Temperature Class T4/T5/T6, T80ºC, T95ºC, T130ºC. Degrees of Protection IP54.

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

Class I, Zone 1

Certificate: 2515401 (LR 85562) **Master Contract:** 180267

Project: 70010167 **Date Issued:** December 4, 2014

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: -55ºC up to +80ºC. Temperature Class T4/T5/T6, T80ºC, T95ºC, T130ºC. Degrees of Protection IP54.

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: -55ºC up to +80ºC. Temperature Class T4/T5/T6, T80ºC, T95ºC, T130ºC. Degrees of Protection IP65.

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: -55ºC up to +80ºC. Temperature Class T4/T5/T6, T80ºC, T95ºC, T130ºC. Degrees of Protection IP65.

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. 60079-0:07 - Electrical apparatus for explosive gas atmospheres –

Part 0: General requirements

Certificate:	2515401 (LR 85562)	**Master Contract:**	180267
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CAN/CSA-C22.2 No. 60079-1:07 - Electrical apparatus for explosive gas atmospheres – Part 1: Flameproof enclosures "d"

CAN/CSA E60079-11:02 (R2006) - Electrical apparatus for explosive gas atmospheres – Part 11: Intrinsic safety "i"

CAN/CSA-C22.2 No. 60079-7:03 - Electrical apparatus for explosive gas atmospheres – Part 7: Increased safety "e"

CAN/CSA-C22.2 No. 60079-5:11 - Explosive atmospheres – Part 5: Equipment protection by powder filling “q”

CAN/CSA-C22.2 No. 60079-18:12 - Explosive atmospheres – Part 18: Equipment protection by encapsulation “m”

CAN/CSA-E61241-1-1:02 - 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) - Degrees of protection provided by enclosures (IP Code)

UL Std. No. 916, Ed 4 (2007) - Energy Management Equipment

UL Std No. 508 , Ed 17 (1999) - Electric Industrial Control Equipment

ANSI/UL 60079-0 (5th Edition 2009) - Explosive Atmospheres – Part 0: Equipment - General Requirements

ANSI/UL 60079-1 (6th Edition 2009) - Explosive Atmospheres – Part 1: Equipment Protection by Flameproof Enclosures “d”

ANSI/UL 60079-11(5th Edition 2009) - Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety "i"

ANSI/UL 60079-7 (Ed 4th 2008) - Explosive Atmospheres –

Certificate:	2515401 (LR 85562)	**Master Contract:**	180267
Project:	70010167	**Date Issued:**	December 4, 2014

Part 7: Equipment Protection by Increased Safety "e"

ANSI/ISA-61241-0 (12.10.02)-2006 (R2011) - Requirements		Electrical Apparatus for Use in Zone 20, Zone 21 and Zone 22 Hazardous (Classified) Locations – General
ANSI/ISA-61241-1 (12.10.03)-2006 (R2011) -		Electrical Apparatus for Use in Zone 21 and Zone 22 Hazardous (Classified) Locations – Protection by Enclosures “tD”
ANSI/ISA-60079-5	-	Explosive Atmospheres – Part 5: Equipment Protection by powder filling “q”
ANSI/ISA-60079-18	-	Explosive Atmospheres – Part 18: Equipment Protection by encapsulation “m”
ANSI/IEC 60529-2004 Code)	-	Degrees of protection provided by enclosures (IP
ANSI/ISA-60079-27 (12.02.04)-2006	-	Fieldbus Intrinsically Safe Concept (FISCO) and Fieldbus Non-Incendive Concept (FNICO)

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
70010167	Dec 4, 2014	Update to Report 2515401 to include new devices and implement new approval documentsc
2625894	May 15, 2013	Update to Report 2515401 to include new enclosure TNCN series and Fieldbus Indicator
2515401	Jul 26, 2012	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

History

2625894 May 15, 2013 Update to Report 2515401 to include new enclosure TNCN series and Fieldbus Indicator

2515401 Jul 26, 2012 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