



Certificate of Compliance

Certificate: 2654546 (LR 80883)

Master Contract: 180267

Project: 2654546

Date Issued: December 18, 2013

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 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

Class I, Zone 1

Ex px IIC T3-T6 Gb

Ex px ib IIC T3-T6 Gb

- APC-APEX Pressurized Cabinet type 07-37*3-****/****, electrical ratings: 690Vac/Vdc max, and 600A max. Pressure ratings: purging gas pre-compression 1..25bar. Ambient temperature range: -20°C to +60°C.

Note: Optional the marking can include the following types of protection d, e, mb, op is, q, [ia](1) and/or [ib](2)

(1) for using separately certified components.



Certificate: 2654546 (LR 80883)

Master Contract: 180267

Project: 2654546

Date Issued: December 18, 2013

(2) In case of separately certified components with an output circuit in type of protection [ia] resp. [ib], which is allowed in areas requiring protection level Ga respectively Gb, equipment the marking is: Ex px [ia] IIC T3-T6 Gb or Ex px [ib] IIC T3-T6 Gb.

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

Class I, Zone 1

AEx px IIC T3-T6 Gb

AEx px ib IIC T3-T6 Gb

- APC-APEX Pressurized Cabinet type 07-37*3-****/****, electrical ratings: 690Vac/Vdc max, and 600A max. Pressure ratings: purging gas pre-compression 1..25bar. Ambient temperature range: -20°C to +60°C.

Note: Optional the marking can include the following types of protection d, e, mb, op is, q, [ia](1) and/or [ib] (2)

(1) for using separately certified components.

(2) In case of separately certified components with an output circuit in type of protection [ia] resp. [ib], which is allowed in areas requiring protection level Ga respectively Gb, equipment the marking is: Ex px [ia] IIC T3-T6 Gb or Ex px [ib] IIC T3-T6 Gb.

CLASS 2258 02 PROCESS CONTROL EQUIPMENT – For Hazardous Locations

Class I, Zone 2

Ex pz IIC T3-T6 Gc

Ex pz ib IIC T3-T6 Gc

- SPC-SILAS Pressurized Cabinet type A7-37*3-****/****, electrical ratings: 690Vac/Vdc max, and 600A max. Pressure ratings: purging gas pre-compression 1..25bar. Ambient temperature range: -20°C to +60°C.

Note: Optional the marking can include the following types of protection d, e, mb, op is, q, [ia](1) and/or [ib] (2)



Certificate: 2654546 (LR 80883)

Master Contract: 180267

Project: 2654546

Date Issued: December 18, 2013

(1) for using separately certified components.

(2) In case of separately certified components with an output circuit in type of protection [ia] resp. [ib], which is allowed in areas requiring protection level Ga respectively Gb, equipment the marking is: Ex px [ia] IIC T3-T6 Gb or Ex px [ib] IIC T3-T6 Gb.

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

Class I, Zone 2

AEx pz IIC T3-T6 Gc

AEx pz ib IIC T3-T6 Gc

- SPC-SILAS Pressurized Cabinet type A7-37*3-****/****, electrical ratings: 690Vac/Vdc max, and 600A max. Pressure ratings: purging gas pre-compression 1..25bar. Ambient temperature range: -20°C to +60°C.

Note: Optional the marking can include the following types of protection d, e, mb, op is, q, [ia](1) and/or [ib] (2)

(1) for using separately certified components.

(2) In case of separately certified components with an output circuit in type of protection [ia] resp. [ib], which is allowed in areas requiring protection level Ga respectively Gb, equipment the marking is: Ex px [ia] IIC T3-T6 Gb or Ex px [ib] IIC T3-T6 Gb.

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. 60079-0:11 - Electrical apparatus for explosive gas atmospheres – Part 0: General requirements

CAN/CSA-C22.2 No. 60079-15:12 - Electrical apparatus for explosive gas atmospheres – Part 15: Construction, test and marking of type of protection "n" electrical apparatus

CAN/CSA-C22.2 No. 60079-2:12 - Explosive atmospheres –

Part 2: Equipment protection by pressurized enclosure "p"



Certificate: 2654546 (LR 80883)

Master Contract: 180267

Project: 2654546

Date Issued: December 18, 2013

CAN/CSA-C22.2 No. 60079-11:11 - Explosive atmospheres –

Part 11: Equipment protection by intrinsic safe “i”

CAN/CSA-C22.2 No. 60529:05 (R 2010) - Degrees of protection provided by enclosures (IP Code)

UL Std. No. 61010-1 (3rd Edition) - Safety Requirements for Electrical Equipment for

Measurement, Control, and Laboratory Use - Part 1: General Requirements

ANSI/UL 60079-0 (6th Edition 2013) - Explosive Atmospheres – Part 0: Equipment - General Requirements

ANSI/UL 60079-15 (4th Edition 2013) - Electrical Apparatus for Explosive Gas Atmospheres – Part 15: Construction, Test and Marking of Type of Protection 'n' Electrical Apparatus

ANSI/UL 60079-2:11 (6th Edition 2010) - Explosive atmospheres – Part 2: Equipment protection by Pressurized enclosures “p”

ANSI/UL 60079-11:11 (6th Edition 2013) - Explosive atmospheres –

Part 11: Equipment protection by intrinsic safe “i”

NFPA 496 (Edition 2013) - Standard for Purged and Pressurized Enclosures for Electrical Equipment

ANSI/IEC 60529-2004 - Degrees of protection provided by enclosures (IP Code)