



Certificate of Compliance

Certificate: 2654548 (LR 85562)

Master Contract: 180267

Project: 2654548

Date Issued: December 10, 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 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 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations

Class I, Zone 1

Ex d e ib [ia Ga px] IIC T4/T6 Gb

- APEX 2003 purge control unit models 07-3711-*2 with suffixes input rated 24Vdc or 115/230Vac, 50/60Hz, 15W maximum, provides 230V, 5A maximum rated relay contacts and assures intrinsically safe circuits when connected per installation drawing 11-3711-6103 and intrinsically safe user connections outputs: terminals 15-16 $U_o=7.5V$, $I_o=10mA$, $L_o=330mH$, $C_o=11\mu F$, $P_o=20mW$; terminals 17-18 $U_o=7.5V$, $I_o=50mA$, $L_o=14mH$, $C_o=11\mu F$, $P_o=95mW$; terminals 21-22 $U_o=30V$, $I_o=100mA$, $L_o=3mH$, $C_o=66nF$, $P_o=750mW$.



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Ambient Temperature Range: -20 to 50°C/40°C; Temperature Class T4/T6. Note: This product is designated as associated purging supply. This certificate does not cover the evaluation of the purged cabinet, which shall be covered as part of the certification of the particular application.

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

Class I, Zone 1

AEx d e ib [ia Ga px] IIC T4/T6 Gb

- APEX 2003 purge control unit models 07-3711-*2 with suffixes input rated 24Vdc or 115/230Vac, 50/60Hz, 15W maximum, provides 230V, 5A maximum rated relay contacts and assures intrinsically safe circuits when connected per installation drawing 11-3711-6103 and intrinsically safe user connections outputs: terminals 15-16 $U_o=7.5V$, $I_o=10mA$, $L_o=330mH$, $C_o=11\mu F$, $P_o=20mW$; terminals 17-18 $U_o=7.5V$, $I_o=50mA$, $L_o=14mH$, $C_o=11\mu F$, $P_o=95mW$; terminals 21-22 $U_o=30V$, $I_o=100mA$, $L_o=3mH$, $C_o=66nF$, $P_o=750mW$. Ambient Temperature Range: -20 to 40°C; Temperature Code T4/T6. Note: This product is designated as associated purging supply. This certificate does not cover the evaluation of the purged cabinet, which shall be covered as part of the certification of the particular application.

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
General Requirements | - | Electrical apparatus for explosive gas atmospheres – Part 0: |
| CAN/CSA-C22.3 No. 60079-1:11 | - | Explosive atmospheres – Part 1: Flameproof Enclosures "d" |
| CAN/CSA-C22.2 No. 60079-2:12
pressurized enclosure "p" | - | Explosive atmospheres – Part 2: Equipment protection by |
| CAN/CSA-C22.2 No. 60079-7:12
increased safety "e" | - | Explosive atmospheres – Part 7: Equipment protection by |
| CAN/CSA-C22.2 No. 60079-11:11
intrinsic safe "i" | - | Explosive atmospheres – Part 11: Equipment protection by |
| CAN/CSA-C22.2 No. 60529:05 (R 2010) | - | Degrees of protection provided by enclosures (IP Code) |



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- 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 60079-1 (6th Edition 2013) - Explosive atmospheres – Part 1: Flameproof Enclosures "d"
- ANSI/UL 60079-7 (4th Edition 2013) - Explosive atmospheres – Part 7: Equipment protection by increased safety "e"
- ANSI/UL 60079-11:11 (6th Edition 2013) - Explosive atmospheres – Part 11: Equipment protection by intrinsic safe "i"
- ANSI/UL 60079-2:11 (6th Edition 2010) - Explosive atmospheres – Part 2: Equipment protection by Pressurized enclosures "p"
- 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)

MARKINGS

- CSA Monogram with C-US indicator
- Company name
- Model number
- Serial number
- Electrical rating
- CSA Certificate Number CSA 2013. 2654548X
- Maximum ambient
- Caution re Substitution of components
- Caution re Explosion hazard
- Hazardous location ratings
- Reference to installation drawing



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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".