



Certificate of Compliance

Certificate: 2036776

Master Contract: 243435

Project: 80000714

Date Issued: June 07, 2019

Issued to: Bartec Technor as
Vestre Svanholmen 24,
4313 Sandnes
Norway

Attention: Mr Steinar Grøndal

The products listed below are eligible to bear the CSA Mark shown



Issued by: *T. Doubleday*
Doubleday

PRODUCTS

CLASS – 4418 02 OUTLET BOXES AND FITTINGS - Boxes - For Hazardous Locations

CLASS – 4418 82 OUTLET BOXES AND FITTINGS - Boxes - For Hazardous Locations -
Certified to US Standards

Ex e IIC Gb

Class I, Zone 1, AEx e IIC Gb

TNCN series junction boxes:

Model coding is ww h h dd:	Maximum dissipated power @ ambient of 40°C
ww-width in cm	
hh-height in cm	
dd-depth in cm	
121009	6 W
1515xx	15 W
2828xx	30 W
2838xx	40 W
3020xx	30 W



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3838xx	40 W
3845xx	50 W
3857xx	65 W
5757xx	90 W
5776xx	120 W
7676xx	180 W
7695xx	200 W
9595xx	240 W
76114xx	240 W
95114xx	240 W
95152xx	240 W
95200xx	240 W
100200xx	240 W

where xx is the enclosure depth of the model with a minimum of 10cm, rated up to maximum of 600V, 452A; Ambient temperature range -50 to 60°C for enclosure with cover screws only and silicone and -40°C +60°C for others. Temperature Code: T4 for maximum ambient of 60°C or T5 for maximum ambient temperature of 40°C or T6 for current loads below 4A; Enclosure rating IP66, IP67, IP68.

Note: Other models with intermediate sizes between the sizes of the models described above are also covered by this certification and the dissipated power for such models is the same as of the nearest smaller model specified above.

Conditions of Acceptability:

- 1) Ordloc Requirements need to be assessed as part of the end product certification

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No.0: 2010
CAN/CSA-C22.2 No. 60079-0:2011

CAN/CSA E60079-7:2012

CAN/CSA C22.2 No. 60529:05
UL60079-0:2009

UL60079-7:2009

General Requirements - Canadian Electrical Code, Part II
Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety “e”
Degrees of protection provided by enclosures (IP Code)
Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety “e”



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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.

The following markings shall be permanently marked on the stainless steel plate (spot welded to the cover):

- CSA monogram with the C-US designator
- Year of certification and certificate number followed by X; CSA.08.2036776 X
- Manufacturers' Name, Trade Mark or CSA Master Contract Number;
- Catalogue Number designation;
- Serial Number or Date Code;
- Ex e IIC Gb and Class I, Zone 1, AEx e IIC Gb;
- Ambient Temperature range (as applicable);
- Temperature Code (as applicable);
- Rated voltage and current;
- Maximum dissipated power;
- IP code (as applicable)
- 'Warning – Potential Electrostatic Charging Hazard – See instruction" (for models with lexan window)
- Reference to Installation Instructions

Installation Instructions shipped with the product shall include at least the following information:

- Instructions to clear define the maximum current loads at terminals or the method of calculation to determine such current loads at terminals to assure that the power and temperature requirements are met;
- Temperature rating of the wiring;
- Instructions to indicate clearly any re-arrangement or adjustment that is necessary to adapt to various sizes of conductors;
- Conductors insulating stripping requirements;
- Address the hazard of static charges build-up for models with lexan window.