



Certificate of Compliance

Certificate: 1944328

Master Contract: 240700

Project: 70094310

Date Issued: September 01, 2017

Issued to: Cooper Crouse Hinds GmbH
Neuer Weg Nord 49
69412 Eberbach
GERMANY
Attention: Mr Guenther

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



Issued by: E.Giusti

PRODUCTS

CLASS – 3428-03 FIXTURES AND FITTINGS - For Hazardous Locations

CLASS – 3428-83 FIXTURES AND FITTINGS - For Hazardous Locations-Certified to U.S. Standards

Ex e ib mb IIC T* Gb

Class I, Zone 1, AEx e ib mb IIC T* Gb

Ex tb IIIC T80°C Db

Zone 21, AEx tb IIIC T80°C Db

Permanently installed exit sign, Type Ex-Lite Z, ZR and Ex-Lite ZE, ZER. Rated 110-277VAC or 110-250VDC, 35mA 3.6W/45mA 5W. Temperature code is T6, T5 or T4 depending on the maximum ambient temperature and models.

Enclosure IP66.



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Electrical parameters and Temperature code:

Type	Voltage [V]	AC / DC	Frequency [Hz]	Ambient temperature	Temperature class / surface temperature
Ex-Lite Z/ZR	110 - 277	AC	50 / 60	-20 °C ≤ T _a ≤ 40 °C	T6 / T80 °C
				-20 °C ≤ T _a ≤ 50 °C	T5 / T80 °C
	110 - 250	DC	---	-20 °C ≤ T _a ≤ 40 °C	T6 / T80 °C
				-20 °C ≤ T _a ≤ 50 °C	T5 / T80 °C
Ex-Lite ZE/ZER	110 - 277	AC	50 / 60	-20 °C ≤ T _a ≤ 40 °C	T5 / T80 °C
				-20 °C ≤ T _a ≤ 50 °C	T4 / T80 °C
	110 - 250	DC	---	-20 °C ≤ T _a ≤ 40 °C	T5 / T80 °C
				-20 °C ≤ T _a ≤ 50 °C	T4 / T80 °C

APPLICABLE REQUIREMENTS

- CAN/CSA C22.2 No.141-15 Unit equipment for emergency lighting
- CAN/CSA C22.2 No.60079-0-15 Electrical Apparatus for Explosive Atmosphere: General Requirements
- CAN/CSA C22.2 No.60079-18-16 Electrical Apparatus for Explosive Atmosphere: Encapsulation “m”
- CAN/CSA C22.2 No.60079-11-14 Electrical Apparatus for Explosive Atmosphere: Intrinsic safety “i”
- CAN/CSA C22.2 No.60079-7-16 Electrical Apparatus for Explosive Atmosphere: Increased safety “e”
- CAN/CSA C22.2 No.60079-31-15 Electrical Apparatus for Use in Explosive Atmospheres - Part 31: Equipment dust ignition protection by enclosure “t”
- UL 924-Ed.10 Emergency Lighting and Power Equipment
- UL60079-0-Ed.6 Electrical Apparatus for Explosive Atmosphere: General Requirements
- UL60079-18-Ed.4 Electrical Apparatus for Explosive Atmosphere: Encapsulation “m”
- UL60079-11-Ed.6 Electrical Apparatus for Explosive Atmosphere: Intrinsic safety “i”
- UL60079-7-Ed.4 Electrical Apparatus for Explosive Atmosphere: Increased safety “e”
- UL1203-Ed.5 Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations



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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.

Following markings appear on the product, printed on a certified adhesive label.

- Manufacturer's name or Master Contract
- Model number or designation
- Serial number or date code
- Voltage and current ratings
- Hazardous location designation: Ex e ib mb IIC T* Gb
Class I, Zone 1, AEx e ib mb IIC T* Gb
Ex tb IIIC T80°C Db
Zone 21, AEx tb IIIC T80°C Db
Suitable for:
Class I, Division 2, Groups A, B, C and D T*
Class II, Division 2, Groups E, F and G
- CSA certificate number: CSA08.1944328
- Ambient temperature range: as per table above.
- Warning: "Use supply wire rated at least 75C"
- the prospective short-circuit current of the external electric supply source if less than 1500 A

Note: ambient temperature range shall be specified on the product label only if different from -20°C to +40°C.

SPECIAL INSTRUCTION FOR SAFE USE:

For adequate connection of the cable terminations, manufacturer's instructions shall be followed.

In the event, the cable terminations have to be done where a potentially explosive atmosphere is present, a terminal compartment shall be used which meets the requirements of the hazardous area and be certified for the application.



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The terminal compartment on which the flange-mounting socket outlet, the appliance connector and the angle unit are mounted shall be of flameproof type and may have a maximum volume of 2000 cm³.

The metal version of the appliance connectors and the flange-mounting socket outlet with encapsulated connecting wires may also be installed in enclosures > 2000 cm³

When unplugged, the appliance connector must not be alive.

Nameplate adhesive label material approval information:

NA



Supplement to Certificate of Compliance

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*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
70094310	Sept 01, 2017	Update to report 1944328 to update the documentation and add new models ZR and ZER.
1944328	August 13, 2007	Original Certification.