



Certificate of Compliance

Certificate: 70100154X

Master Contract: 215242

Project: 70100154

Date Issued: 2016-12-19

Issued to: Roptec International AB
Rombvägen 2
Box 540
Karlskrona, 371 23
SWEDEN
Attention: Jorgen Akesson

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.



Issued by: Ron Wachowicz
Ron Wachowicz

PRODUCTS

CLASS - C441805 - CABLE-Hardware - For Hazardous Locations

CLASS - C441885 - CABLE-Hardware-For Hazardous Locations-Certified to U.S. Standards

Canada: Ex e IIC Gb; Ex tb IIIC Db;

USA: Class I, Zone 1, AEx e IIC Gb; Class II, Zone 21, AEx tb IIIC Db:

CABLE TRANSIT DEVICE, FRAME Models HD 24 Ex and HD 32 Ex, for use with CX or CX BG Modules.
Ambient Rating: -60°C to +80°C; Environmental Ratings: Types 1, 2, 3, 3R, 3S, 4, 4X, 5, 12, 13, IP66.

FRAME MODULES (40mm)

Adaptable Multi-diameter CX Modules: CX 15w40, CX 20, CX 20w40, CX 30w40, CX 40, CX 40 10-31;

Solid Compensation CX Modules: CX 5w40/0, CX 10w40/0, CX 20/0, CX 40/0;

Single Diameter CX Modules: CX 20/14, CX 20/15, CX 20/16; and

Adaptable Multi-diameter Bonding and Grounding CX BG Modules: CX 20w40 BG, CX 30w40 BG, CX 40 10-31 BG, CX 40 BG



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Conditions of Acceptability:

- A The above listed cable transit devices have been certified as components and must be installed in accordance with the applicable local electrical code and final acceptance is subject to inspection by the local authority having jurisdiction.
- B Cable Transit Devices to be approved as apparatuses concerning the following special conditions for safe use:
- For maintaining the explosion protection, the Assembly Instruction that accompanies the products, shall be considered.
 - Only cable for fixed installation is permitted for the Cable Entry.
 - For optimum reliability wait 24 hours or longer after installation before exposing the cables/pipes to strain or pressure.
 - The cables shall have sufficient clamping to ensure that no pulling or twisting will be transmitted to the terminals

APPLICABLE REQUIREMENTS

CSA Std. C22.2 No. 18.3-12	Conduit, Tubing and Cable Fittings.
CSA Std. C22.2 No. 94.2-07	Enclosures for Electrical Equipment, Environmental Considerations
CAN-CSA C22.2 No. 60079-0: 15	Explosive Atmospheres - Part 0: Equipment - General requirements
CAN-CSA C22.2 No. 60079-7: 12	Explosive Atmospheres - Part 7: Equipment protection by Increased Safety "e"
CAN/CSA C22.2 No. 60079-31: 15	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
UL Standard 514B, 5th Ed.	Conduit, Tubing and Cable Fittings.
UL Standard 50E, 1st Ed.	Enclosures for Electrical Equipment, Environmental Considerations.
UL 60079-0 - 6th Ed.	Explosive Atmospheres - Part 0: Equipment - General requirements
UL 60079-7 - 4th Ed.	Explosive Atmospheres - Part 7: Equipment protection by Increased Safety "e".
UL 60079-31 - 2nd Ed	Explosive Atmospheres - Part 31: Equipment Dust Ignition Protection by Enclosure "t"

MARKINGS

See Certification Report for Complete details.



Supplement to Certificate of Compliance

Certificate: 70100154X

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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
70100154	2016-12-19	New North American certification for the Models HD 24 Ex and HD 32 Ex rated for Class I, Zone 1 A/Ex e IIC Gb and Class II, Zone 21 A/Ex tb IIIC Db based on IECEx test report IECEx-PRE-15.0021X and Ordinary location test report CSA File 215242-1333944.