



Certificate of Compliance

Certificate: 70100154

Master Contract: 215242

Project: 80193902

Date Issued: May 07, 2024

Issued To: Roptec International AB
Rombvägen 2
Box 540
Karlskrona, Blekinge County, 371 65
Sweden

Attention: Per Kask

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:

Reekesh Patel

PRODUCTS

CLASS 4418-05 - CABLE-Hardware - For Hazardous Locations

CLASS 4418-85 - CABLE-Hardware - For Hazardous Locations – Certified to U.S. Standards

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

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

CABLE TRANSIT DEVICE, FRAME

Models HD 24 Ex, HD 32 Ex and HD 16 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.

Model HDLC Ex for use with RMX- or RX BG B modules.

Ambient Rating: -60°C to +80°C; Environmental Ratings: Types 1, 2, 3, 3R, 3S, 4, 4X, 5, 12, 13, IP66.

FRAME MODULES

Adaptable Multi-diameter CX Modules, 40 mm length:

CX 15w40, CX 20, CX 30w40, CX 40, CX 40 10-31.



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Solid Compensation CX Modules, 40 mm length:
CX 5w40/0, CX 10w40/0, CX 40/0.

Single Diameter CX Modules, 40 mm length:
CX 20/14, CX 20/15, CX20/16.

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

Solid Compensation CX BG Modules, 40 mm length:
CX 10w40/0 BG, CX 20/0 BG, CX 40/0 BG.

Adaptable Multi-diameter RMX Modules, 60 mm length:
RMX 15w40, RMX 20w40, RMX 30w40, RMX 40, RMX 40 10-31, RMX 30, RMX 60.

Solid Compensation RMX Modules, 60 mm length:
RMX 5w40/0, RMX 10w40/0.

Single Diameter RMX Modules, 60 mm length:
RMX 20w40/16.5, RMX 60/54

Adaptable Multi-diameter RX BG B Modules, 60 mm length:
RX 20w40 BG B, RX 30w40 BG B, RX 40 BG B, RX 40 10-31 BG B, RX 30 BG B, RX 40 BG B.

Solid Compensation RX BG B Modules, 60 mm length:
RX 10w40 BG B.

Conditions of Acceptability:

- A The above listed cable transit devices shall 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



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APPLICABLE REQUIREMENTS

CSA Std. C22.2 No. 18.3-12	Conduit, Tubing and Cable Fittings.
CSA Std. C22.2 No. 94.2-15	Enclosures for Electrical Equipment, Environmental Considerations
CAN-CSA C22.2 No. 60079-0: 19	Explosive Atmospheres - Part 0: Equipment - General requirements
CAN-CSA C22.2 No. 60079-7: 16	Explosive Atmospheres - Part 7: Equipment protection by Increased Safety "e"
AMD 1	
CAN/CSA C22.2 No. 60079-31: 15	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
UL Standard 514B, 6th Ed.	Conduit, Tubing and Cable Fittings.
UL Standard 50E, 2nd Ed	Enclosures for Electrical Equipment, Environmental Considerations.
UL 60079-0: 2020, 67th Ed	Explosive Atmospheres - Part 0: Equipment - General requirements
UL 60079-7 - 5th 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

- CSA Monogram
- Submitter's name, trademark "Roxtec", or (the CSA file number adjacent the CSA Mark - optional);
- Model Number: HD 16 Ex, HD 24 Ex, HD 32 Ex and HDLC Ex (as applicable);
- HazLoc designations CAN: Ex e IIC Gb; Ex tb IIIC Db;
- HazLoc designations USA: Class I, Zone 1, AEx e IIC Gb; Zone 21, AEx tb IIIC Db;
- Type designations: 1, 2, 3, 3R, 3S, 4, 4X, 5, 12, 13, IP66; and
- Ambient Temperature Range: -60°C to +80°C.
- CSA16CA70100154X

See Certification Report for Complete details