

EU-TYPE EXAMINATION CERTIFICATE

- [2] EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU
- [3] EU-Type Examination Certificate Number: **Presafe 15ATEX6419X** **Issue 5**
- [4] Product: **Cable Transit Devices**
- [5] Manufacturer: **Roxtec International AB**
- [6] Address: **Box 540
SE-371 23 KARLSKRONA
Sweden**
- [7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV GL Presafe AS, notified body number 2460, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- The examination and test results are recorded in confidential reports listed in section 16.
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: **EN IEC 60079-0:2018 (IEC 60079-0 ed.7), EN 60079-7:2015 (IEC 60079-7 ed.5) and EN 60079-31:2014 (IEC 60079-31 ed.2)**
- [10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- [11] This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- [12] The marking of the product shall include the following:

 **II 2G** **Ex eb IIC Gb**
II 2D **Ex tb IIIC Db**

Date of issue:
2020-05-08



Asle Kaastad
For DNV GL Presafe AS
The Certificate has been digitally signed.
See www.dnvgl.com/digitalsignatures for info



This certificate may only be reproduced in its entirety and without any change, schedule included.

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Schedule

[14]

EU-Type Examination Certificate No:

Presafe 15ATEX6419X

Issue 5

[15]

Description of Product

The Cable Transit Devices 'CTDs'(see Type Designation below), for use with circular cables both armoured and non-armoured or corrugated cables (see Corrugated cables below) of non-interrupted and non-metallic outer jacket type or conduits. The CTDs consists of multi diameter sealing modules made of EPDM rubber (type CX and RMX as standard modules) and (type CX BG and RX BG B with bonding and grounding properties) that depending on each individual size, accepts a limited number of cable diameters in applicable types of frames made of stainless steel and shall be marked with the Ex symbol.

The modules are made of mirrored rubber profiles and each part has a number of thin rubber layers that are ending up with a core. The layers are made with two different colours to make the adaption to a cable exactly same on both halves and are allowed to differ one layer at most. To achieve appropriate sealing and mechanical properties to prevent the cables from slippage there shall always be a visible gap between the sealing module halves when adapting modules to the cable or conduit.

The correct sizes and procedure of assembling the cables to the modules are described in detail in the enclosed installation instructions. Ex Compression devices are used to achieve appropriate compression of the modules and solids.

The method to assemble the compression devices etc. and to achieve sealing of the CTDs is described in detail in the enclosed installation instructions.

The CTDs installation instructions listed in this certificate will define each variant in detail and all applicable parts that are approved for use within that variant.

Type Designations:

HD 16 Ex, HD 24 Ex, HD 32 Ex for use with CX- and CX BG modules.

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

Temperature Range:

-60°C to +80°C

Corrugated cables for use with: HD 16 Ex, HD 24 Ex, HD 32 Ex and HDLC Ex

ACIC (Armoured Control and Instrumentation Cable) according to C22.1-06 CEC,

ACWU (Armoured Cable for Wet locations) according to UL4,

TECK90 according to C22.2 No. 131-07

MC (Metal Clad) according to UL1569

[16]

Report No.:

D0001850 issue 5

[17]

Specific Conditions of Use

1. For maintaining the explosion protection, the installation instructions that accompany the products shall be considered.
2. Only cable for fixed installation is permitted for the cable transit device.
3. For optimum reliability wait 24 hours or longer after installation before exposing the cables/pipes to strain or pressure.

[18]

Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-7:2015+A1:2018 in addition to standards listed in [9].

[19] **Drawings and documents**

Table of descriptive documents.

Title	Drawing No.:	Rev.:	Pages:
Installation instructions:			
Installation Instructions Roxtec HD 16 Ex with CX modules	DOC-0002624	C	8
Installation Instructions Roxtec HD 16 Ex with CX BG modules	DOC-0002626	C	16
Installation Instructions Roxtec HD 24 Ex with CX modules	DOC-000316	C	8
Installation Instructions Roxtec HD 24 Ex with CX BG modules	DOC-000317	C	12
Installation Instructions Roxtec HD 32 Ex with CX modules	DOC-000127	D	8
Installation Instructions Roxtec HD 32 Ex with CX BG modules	DOC-000128	D	12
Installation Instructions Roxtec HDLC Ex with RMX modules	DOC-001347	C	8
Installation Instructions Roxtec HDLC Ex with RX BG B modules	DOC-001389	C	12
For full overview of documents see:			
Specification of documents	D0001850	5	2

[20] **Certificate History**

Issue	Description	Issue date	Report no.
0	Original issue	2015-10-20	D0001850
1	New additional frame HD 24 Ex added.	2015-11-13	D0001850
2	Adjustment made in report due to printing error and variant of HDL 3 not re-certified in this issue and adjustment made regarding tolerances of frame without changes of nominal dimensions	2018-02-14	D0001850
3	New additional frame HDLC Ex added for RMX and RX BG B modules. RX and RX BG modules not re-certified.	2019-03-05	D0001850
4	New additional frame HD 16 Ex added for CX- and CX BG modules and update of marking to 'eb' for HD 24 Ex, HD 32 Ex and HDLC. Also, correction made on ATEX code II.	2019-10-22	D0001850
5	Update to new revision of EN IEC 60079-0. New model of core added, this new model is divided into two halves, one for each module half.	2020-05-08	D0001850

END OF CERTIFICATE Presafe 15ATEX6419X