

- [2] **EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 94/9/EC**
- [3] **EC-Type Examination Certificate Number:** Presafe 15 ATEX 6419X Issue 1
- [4] **Equipment or Protective System:** Cable Transit Devices
- [5] **Applicant – Manufacturer or Authorized representative:** Roxtec International AB
- [6] **Address:** Box 540
SE-371 23 KARLSKRONA
Sweden
- [7] **This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.**
- [8] **DNV Nemko Presafe AS, notified body number 2460 in accordance with Article 9 of Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety requirements relating to the design and construction of equipment and protective systems 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 60079-0:2012 (IEC 60079-0 ed.6), EN 60079-7:2007 (IEC 60079-7 ed. 4) 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 equipment or protective system is subject to specific conditions of use specified in the schedule to this certificate.**
- [11] **This EC-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protected system. If applicable, further requirements of this Directive apply to the manufacturer and supply of this equipment or protective system.**
- [12] **The marking of the equipment or protective system shall include the following:**



II 2G
III 2D

Ex e IIC Gb
Ex tb IIIC Db

Date of issue: 2015-11-13

Asle Kaastad
For DNV Nemko Presafe AS
Information on electronic signature www.presafe.com



[13]

Schedule

[14] **EC-TYPE EXAMINATION CERTIFICATE No.:** Presafe 15 ATEX 6419X Issue 1

[15] **Description of Equipment or Protective System:**

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 RX as standard or 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 solid rubber 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 24 Ex, HD 32 Ex and HDL 3 Ex

Temperature Range:

-60°C to +80°C

Corrugated cables for use with: HD 24 Ex and HD 32 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 1

[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

Not Applicable

[19] Descriptive Documents:

According to the specification; Specification of documents D0001850 rev. 2.0 including applicable installation instructions;

Table of descriptive documents.

Title	Drawing No.:	Rev.:	Pages:
Installation instructions:			
Installation Instructions Roxtec HD 24 Ex with CX modules	DOC-000316	A	8
Installation Instructions Roxtec HD 24 Ex with CX BG modules	DOC-000317	A	12
Installation Instructions Roxtec HD 32 Ex with CX modules	DOC-000127	B	8
Installation Instructions Roxtec HD 32 Ex with CX BG modules	DOC-000128	B	12
Installation Instructions Roxtec HDL 3 Ex with RX modules	DOC-000149	A	8
Installation Instructions Roxtec HDL 3 Ex with RX BG modules	DOC-000177	A	8
Installation Instructions Roxtec HDL 3 Ex with RX BG B modules	DOC-000150	A	12
For full overview of documents see:			
Specification of documents	D0001850	2.0	1

[20] Certificate History

Table of Certificate History

Issue	Description	Report no.	Issue
0	Original issue	D0001850	0
1	New additional frame HD 24 Ex added.	D0001850	1

END OF CERTIFICATE