



Date of issue: 1st April 2017

Date of Expiry: 31st March 2019

Certificate Number: CWE/BCC/30/13/002

Issue Number: 6

APPROVAL CERTIFICATE
to
Defence Standard 02-510/1
(formerly NES 510)

This certificate is issued by the QinetiQ Batteries, Cables & Connectors Group after examination of the detailed test results which indicate that the component(s) or material(s) detailed below comply with the above mentioned Standard to the level stated below. It is issued subject to the conditions specified by the relevant standards or specifications and is subject to withdrawal at the discretion of the qualification approval authority.

Manufacturer: **Roxtec International AB**

Place of Manufacture: 540, S-371 23 Karlskrona, Sweden

Test Report Number:

Class I	MRI no 1 issue 4
Class II	MRI no 2 issue 4
Class III	MRI no 3 issue 4

Description of Item: Modular block glands with and without removable leafs – Application Classes I to III. See MRI for details.

Manufacturer's Drawing Reference:
(Master Record Index/Issue) See MRI's

Restrictions/Limitations Applied: Classes I and II are for back to back glands only

Approved By S.J.Allwood

Date: 12th June 2017

QinetiQ

Batteries Cables & Connectors
MoD Fort Halstead
Sevenoaks
Kent
TN14 7BP

Approval Reports Master Record Index

Index No	MRI No. 1
Issue/date	4
Specification	Defence Standard 02-510/1 (formerly NES 510)
Manufacturer	Roxtec International AB
Product	<p>1. EMP protected dual barrier rectangular transits of type Roxtec SBTB, SRBTB or SRCBTB, with or without flange, installed with Roxtec RM ES or PE modules and Roxtec accessories.</p> <p>2. Round type R-Frame with Roxtec RM or RM ES/PE modules or RS/RS EMC seals, installed in sleeves back to back.</p>
Application	Decks and superstructure

Clause	Requirement	Report No.	Date
10.2	Pneumatic Pressure Testing	950818 & Test Programme	1999 05-06-92
10.3	Hydraulic Pressure Testing	950818 & Test Programme	1999 05-06-92
11	Thermal Cycle Tests	99F2724	28/07/99
12.1	Fluid Contamination	DERA/EL/PCS/970474/1	01/03/99
12.2	Acid-Laden Atmosphere	TP-M224705A-99	Various
12.3	Mould Growth	TP-M224705A-99	Various
12.4	Salt-Laden Atmosphere	TP-M224705A-99	Various
12.5	Solar Radiation	93-01	06/01/93
13.2	Vibration	DERA/EL/TMS 970474/2	Aug 99
13.3	Shock	DERA/EL/TMS 970474/2	Aug 99
14	Fire Testing	Sintef 22N007.08	09/09/99
15	Testing Of Emp-Proof Glands	94/1459 & 94/1460	06/06/94

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Index No	MRI No. 2
Issue/date	4
Specification	Defence Standard 02-510/1 (formerly NES 510)
Manufacturer	Roxtec International AB
Product	<p>1. Dual barrier rectangular transits of type Roxtec SBTB, SRBTB or SRCBTB, with or without flange, installed with Roxtec RM modules and Roxtec accessories.</p> <p>2. Round type R-Frame with Roxtec RM modules or RS seals, installed in sleeves back to back.</p>
Application	Internal Pressure Bulkheads

Clause	Requirement	Report No.	Date
10.2	Pneumatic Pressure Testing	950818 & Test Programme	1999 05-06-92
10.3	Hydraulic Pressure Testing	950818 & Test Programme	1999 05-06-92
11	Thermal Cycle Tests	99F2724	28/07/99
12.1	Fluid Contamination	DERA/EL/PCS/970474/1	01/03/99
12.2	Acid-Laden Atmosphere	TP-M224705A-99	Various
12.3	Mould Growth	TP-M224705A-99	Various
12.4	Salt-Laden Atmosphere	TP-M224705A-99	Various
12.5	Solar Radiation	93-01	06/01/93
13.2	Vibration	DERA/EL/TMS 970474/2	Aug 99
13.3	Shock	DERA/EL/TMS 970474/2	Aug 99
14	Fire Testing	Sintef 22N007.08	09/09/99
15	Testing Of Emp-Proof Glands	N/A	

Approval Reports Master Record Index

Index No	MRI No. 3
Issue/date	4
Specification	Defence Standard 02-510/1 (formerly NES 510)
Manufacturer	Roxtec International AB
Product	<p>1. Single barrier rectangular transits of type Roxtec S, SR or SRC, with or without flange, installed with Roxtec RM modules and Roxtec accessories.</p> <p>2. Round type R Frames with Roxtec RM modules or RS seals, installed in sleeves.</p>
Application	Internal Non-Pressure Bulkheads

Clause	Requirement	Report No.	Date
10.2	Pneumatic Pressure Testing	950818 & Test Programme	1999 05-06-92
10.3	Hydraulic Pressure Testing	950818 & Test Programme	1999 05-06-92
11	Thermal Cycle Tests	99F2724	28/07/99
12.1	Fluid Contamination	DERA/EL/PCS/970474/1	01/03/99
12.2	Acid-Laden Atmosphere	TP-M224705A-99	Various
12.3	Mould Growth	TP-M224705A-99	Various
12.4	Salt-Laden Atmosphere	TP-M224705A-99	Various
12.5	Solar Radiation	93-01	06/01/93
13.2	Vibration	DERA/EL/TMS 970474/2	Aug 99
13.3	Shock	DERA/EL/TMS 970474/2	Aug 99
14	Fire Testing	Sintef 22N007.08	09/09/99
15	Testing Of Emp-Proof Glands	N/A	