

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00003VA
Revision No:
2

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the Penetrations through "B" class divisions: electric cable transits

with type designation(s)
B15-SPC Single Cable Plug and B15-MPC Multi Cable Plug

Issued to
Roxtec GmbH
Hamburg, Germany

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2020/1170**,
item No. MED/3.27a. SOLAS 74 as amended, Regulation II-2/9 and IMO 2010 FTP Code.

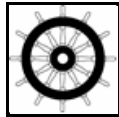
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2026-04-25**.

Issued at **Hamburg** on **2021-04-26**

DNV local station:
Hamburg – CMC North/East

Approval Engineer:
Carsten Hunsalz



Notified Body
No.: **0098**

for **DNV SE**

Christine Mydlak-Roeder
Head of Notified Body

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled. Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

Electric cable penetration through "B-0 and B-15" class divisions

Components:

The system consists of injection-molded parts with cylindrical bodies made of intumescent elastic compound materials SVV6551/81 (B15-SPC sizes 10 and 20) and SVV6551/75 (B15-MPC sizes 28, 41 and 52).

For all B15-MPC installations, remaining void space are to be filled up with sealing compound type "GK MC FC" or "SIKA Firesil Marine N".

All B15-Plugs can be installed slotted along the total length and secured at its end by two layers of a PVC-tape.

Installation in vertical divisions:

The installation of B15-SPC with single cable with overall diameter $\leq 10\text{mm}$ (size 10 or size 20) and $\leq 20\text{mm}$ (size 20) or for sealing of existing drilling holes with diameter 15,5mm (size 10) and with diameter 27mm (size 20) through 25 to 50 mm thick approved vertical "B-0 and B-15" class divisions shall be carried out according to actual manufacturer's installation instruction (GK-INSTRUCTION-B15-SPC_EN/DE JUL2020) or newer.

The installation of B15-MPC with multiple cables (with each cable diameter $\leq 20\text{mm}$) with a minimum filling rate of 0% and a maximum filling rate of 66% through 25 to 50 mm thick approved vertical "B-0 and B-15" class divisions shall be carried out according to actual manufacturer's installation instruction (GK-INSTRUCTION-B15-MPC_EN/DE JUL2020) or newer.

Installation in horizontal divisions:

The installation of B15-SPC with single cable with overall diameter $\leq 10\text{mm}$ (size 10 or size 20) and $\leq 20\text{mm}$ (size 20) or for sealing of existing drilling holes with diameter 15,5mm (size 10) and with diameter 27mm (size 20) through 30 to 50 mm thick approved horizontal "B-0 and B-15" class divisions shall be carried out according to actual manufacturer's installation instruction (GK-INSTRUCTION-B15-SPC_EN/DE JUL2020) or newer.

The installation of B15-MPC with multiple cables (with each overall cable diameter $\leq 20\text{mm}$) with a minimum filling rate of 0% and a maximum filling rate of 66% through 30 to 50 mm thick approved horizontal "B-0 and B-15" class divisions shall be carried out according to actual manufacturer's installation instruction (GK-INSTRUCTION-B15-MPC_EN/DE JUL2020) or newer.

Application/Limitation

Electric cable penetration through "B0 - B15" class divisions

Water- / Gas- tightness: Not applicable

Each product or packing is to be supplied with its actual manual for installation and maintenance.

Type Examination documentation

Test reports:

DMT-DO-53-042, dated 16.06.2015; DMT-8116210440-50, dated 12.10.2018; DMT-DO-53-131, dated 22.05.2020;
DMT-DO-53-132, dated 22.05.2020

Installation Instructions:

(GK-INSTRUCTION-B15-SPC_EN/DE JUL2020) and (GK-INSTRUCTION-B15-MPC_EN/DE JUL2020) or newer.

Installation and product drawings:

B15-SPC sizes 10-20: No. RX-20150521 Rev. B; B15-SPC size 10: No. S1503611 Rev. B;
B15-SPC size 20: No. 2020014-001 Rev. F; B15-MPC sizes 28-52: 20200323-001 Rev B,
20200323-002 Rev C

Tests carried out

- IMO Res. MSC.307(88)-(2010 FTP Code), Annex 1: Part 3,

Marking of product

For identification to this type examination certificate the product or packing is to be marked with:

- Manufacturer's name
- Type designation and fire-technical rating
- Mark of Conformity According to Article 10 of the Council Directive (MED)

END OF CERTIFICATE