



TYPE APPROVAL CERTIFICATE

Certificate No:
TAF000015U
Revision No:
1

This is to certify:

That the Class A and B Penetration

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

DNV GL statutory interpretations DNVGL-SI-0364 – SOLAS interpretations
DNV GL rules for classification – Ships
DNV GL offshore standards

Application :

Approved for use as penetration system for approved ship cables in B0 - B15 class divisions

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Issued at **Hamburg** on **2021-05-10**

for **DNV**

This Certificate is valid until **2026-05-09**.

DNV local station: **Hamburg – CMC North/East**

Approval Engineer: **Carsten Hunsalz**

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Arne Schaarmann
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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 Approval 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

Fire Test acc. 2010 FTP Code, Annex 1: Part 3, IMO Resolution MSC.307(88)

Marking of product

The product or packing is to be marked with name of manufacturer, type designation and fire-technical rating.

Periodical assessment

DNV GL's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in DNVGL-CP-0338 Section 4.