



BUNDESAMT FÜR
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Notified Body authorised by
BSH 0800-S23/4822:013

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Certificate No: LR26333053MB

Issue Date: 15/07/2026

Expiry Date: 14/07/2031

EC Type Examination (Module B) Certificate

USCG-EU MRA

This is to certify that:

LLOYD'S REGISTER Marine Deutschland GmbH (LRMD), designated as a "notified body" based on the notification of the Federal Maritime and Hydrographic Agency of Germany, did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU and the valid Commission Implementing Regulation (EU) in force indicating design, construction and performance requirements and testing standards for marine equipment, subject to the conditions below and the attached Schedule which also forms part of this Certificate.

Manufacturer	MCT Brattberg AB
Address	Lyckeåborg, Karlskrona, 371 92, Sweden
Reference	Marine Equipment Directive (MED) 2014/90/EU, Regulation (EU) 2025/1533
Regulation Item (No. & Item Designation)	MED/3.26a Penetrations Through 'A' Class Divisions: Electric Cable Transits
Product Type	Fire penetration seal
Product Description	MCT Brattberg "SR, MSR & DB Series" Cable Glands in A class Steel bulkheads and decks for cables
Specified Standard	IMO Res. MSC.307(88)-(2010 FTP Code) Annex 1, Part 3 MSC.1/Circular 1488 Type approval requirements: SOLAS 74 Reg.II-2/9 Carriage and performance requirements: SOLAS 74 Reg.II-2/9; IMO MSC.1/Circ.1655
Row of the Regulation Item	1 of 1
Trade Name	"SR, MSR & DB"

The attached Design Appraisal Document (schedule) forms part of this certificate. This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Lloyd's Register Marine Deutschland
GmbH, Willy-Brandt-Straße 59-65, 20457
Hamburg, Germany.
A member of the Lloyd's Register group

Marta Walk

Fire & Safety - Senior Specialist
For and on behalf of Lloyd's Register Marine
Deutschland GmbH (2923)

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This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to and agreed with the notified body named on this certificate. The manufacturer should notify LRMD of any modification or changes to the equipment in order to obtain a valid Certificate.

This equipment is covered by the scope of the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed on 27 February 2004 and amended by Decision No.1/2023 26 May 2023 according to U.S. Coast Guard approval category number:

164.138

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production Module certificate (Module D, E or F).

Should the specified regulations or standards be amended during the period of validity of this certificate, the product is to be re-approved prior being placed on the market and on board vessels to which the amended regulations or standards apply.

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-control phase module (D, E, or F) of ANNEX II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR26333053MB

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

This Certificate is a Renewal and an Amendment of Certificate Number LR22490809MB.

Approval Documentation

Test Reports

Building Research Establishment (BRE), Garston, United Kingdom, Fire Test Reports No: 301124D Issue 1 dated 21 April 2016, P101462-1021 Issue 1 dated 17 April 2020, P101462-1022 Issue 1 dated 7 July 2020. P101462-1023 dated 9 October 2020, P101462-1025 dated 9 August 2022, P101462-1026 dated 8 November 2022 and P101462-1027 Issue 1 dated 4 January 2023

RISE Research Institutes of Sweden AB, Boras, Sweden; Fire Test Reports, Fire Test Report No.: O100409-1156471-1

Manufacturer's drawings: 1220244 Rev.B, 1220245 Rev.B, 1220246, Rev.B, 1220244, Rev.B, 1220251, Rev.B. & 1220253, Rev.B.

Conditions of Certification

- Consisting of MCT Brattberg round cable glands with cylindrical silicone rubber bung tightened with two semicircular compression plates either bolted (MSR) or welded (SR) to the deck or bulkhead.
- DB single cable variant also accepted bolted to the deck or bulkhead. DB Gland available as EMC conversion.
- The SR, MSR and DB Series Cable Transits may be accepted for applications in A Class steel divisions, insulation arrangement for the penetrations are given in the tables below.

Table 1. MSR cable glands in A-0 and A-60 divisions

Seal	Maximum Cable Diameter (mm)	Application	Penetration position	Rating	Drawing
MSR	4-32mm	Steel Bulkhead	Restricted to the fire unexposed side	A-60	1220244 Rev. B, Fig. 1
MSR	4-12mm	Steel Bulkhead	Unrestricted	A-60	1220244 Rev. B, Fig. 2
MSR	13-32mm	Steel Bulkhead	Unrestricted	A-60	1220244 Rev. B, Fig. 3
MSR	4-32mm	Steel Deck	Unrestricted	A-60	1220244 Rev. B, Fig. 4
MSR	4-32mm	Steel Bulkhead	Restricted to the fire unexposed side	A-0	1220251 Rev. B, Fig. 1
MSR	4-12mm	Steel Bulkhead	Unrestricted	A-0	1220251 Rev. B, Fig. 2
MSR	13-32mm	Steel Bulkhead	Unrestricted	A-0	1220251 Rev. B, Fig. 3
MSR	4-32mm	Steel Deck	Unrestricted	A-0	1220251 Rev. B, Fig. 4

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Table 2. SR cable glands in A-0 and A-60 divisions

Seal	Maximum Cable Diameter (mm)	Application	Penetration position	Rating	Drawing
SR	4-50mm	Steel Bulkhead	Restricted to the fire unexposed side	A-60	1220247 Rev. B, Fig. 2
SR	51-110mm	Steel Bulkhead	Restricted to the fire unexposed side	A-60	1220247 Rev. B, Fig. 3
SR	4-12mm	Steel Bulkhead	Unrestricted	A-60	1220247 Rev. B, Fig. 1
SR	4-110mm	Steel Deck	Unrestricted	A-60	1220247 Rev. B, Fig. 4
SR	4-50mm	Steel Bulkhead	Restricted to the fire unexposed side	A-0	1220245 Rev. B, Fig. 2
SR	51-110mm	Steel Bulkhead	Restricted to the fire unexposed side	A-0	1220245 Rev. B, Fig. 3
SR	4-12mm	Steel Bulkhead	Unrestricted	A-0	1220245 Rev. B, Fig. 1
SR	4-110mm	Steel Deck	Unrestricted	A-0	1220245 Rev. B, Fig. 4

Table 3. DB cable glands in A-0 and A-60 divisions

Seal	Maximum Cable Diameter (mm)	Application	Penetration position	Rating	Drawing
DB	4-16mm	Steel Bulkhead	Unrestricted	A-60	1220246 Rev. B, Fig. 1
DB	17-60mm	Steel Bulkhead	Unrestricted	A-60	1220246 Rev. B, Fig. 2
DB	4-60mm	Steel Deck	Unrestricted	A-60	1220246 Rev. B, Fig. 3
DB	4-16mm	Steel Bulkhead	Unrestricted	A-0	1220253 Rev. B, Fig. 1
DB	17-60mm	Steel Bulkhead	Unrestricted	A-0	1220253 Rev. B, Fig. 2
DB ¹	4-60mm	Steel Deck	Unrestricted	A-0	1220253 Rev. B, Fig. 3

¹⁾ Models M16-150-30 up to M60-150-30 included.

- Frame types MSR 20-63, SR 25-200 & DB 16-60.
- EMP (Electro Magnetic Pulse) variant also accepted.
- Cable transits are to be fitted with the as-tested insulation materials in all cases. Any modifications are subject to acceptance by the final project authority and the attending surveyor.
- Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), a Product-Quality assurance system (Module E) or a Product Verification Process (Module F). The wheelmark cannot be affixed to the product until a conformity assessment module is in place.
- Each item, batch or lot of the equipment is to be issued with a "Declaration of Conformity" and have the "Mark of Conformity" affixed after a conformity assessment module is in place.
- The manufacturer shall keep a copy of the EC type-examination certificate, its annexes and additions together with the technical documentation at the disposal of the national authorities for at least 10 years after the wheel mark has been affixed on the last product manufactured and in no case for a period shorter than the expected life of the marine equipment concerned.

Note (For Information only)

MSR, SR and DB penetrations were tested for a hydrostatic and pneumatic pressure of 5 Bar, as detailed in the referenced document: Lloyd's Register Witness Test Report No. QR14-11211G/W and QR14-11212G/W, both dated 15 June 2011

Place of Production**MCT Brattberg AB**

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Senior Specialist, Fire & Safety

Statutory Discipline Team, Marine & Offshore

Lloyd's Register EMEA

For and on behalf of Lloyd's Register Marine Deutschland**LRMD EC Distinguishing No. 2923**