



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

Page 1 of 5  
Certificate No: LR22490809MB  
Issue Date: 22/12/2021  
Expiry Date: 21/12/2026

# 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.

<b>Manufacturer</b>	<b>MCT Brattberg AB</b>
<b>Address</b>	SE-37 192 Karlskrona, Sweden
<b>Reference</b>	Marine Equipment Directive (MED) 2014/90/EU, Regulation (EU) 2021/1158
<b>Regulation Item (No. &amp; Item Designation)</b>	MED/3.26a Penetrations Through 'A' Class Divisions: Electric Cable Transits
<b>Product Type</b>	Fire penetration seal
<b>Product Description</b>	MCT Brattberg SR, MSR & DB Series Cable Glands in A class Steel bulkheads and decks for cables
<b>Specified Standard</b>	IMO Res. MSC.307(88)-(2010 FTP Code) Annex 1, Part 3 MSC.1/Circular 1488
<b>Trade Name</b>	"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 This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

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.

Lloyd's Register Marine Deutschland GmbH, Überseeallee 10, D-20457 Hamburg, Germany.  
A member of the Lloyd's Register group

**Bruce McDonald**

Technical Authority - Statutory  
For and on behalf of Lloyd's Register Marine Deutschland GmbH (2923)

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



BUNDESAMT FÜR  
SCHIFFFAHRT  
UND  
HYDROGRAPHIE

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

Page 2 of 5

Certificate No: LR22490809MB

Issue Date: 22/12/2021

Expiry Date: 21/12/2026

## EC Type Examination (Module B) 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.1/2018 dated 18 February 2019 according to U.S. Coast Guard approval category USCG Module B number:

164.138/EC2923

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.

Lloyd's Register Marine Deutschland  
GmbH, Überseeallee 10, D-20457  
Hamburg, Germany.  
A member of the Lloyd's Register group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



## ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. LR22490809MB

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 a renewal of Certificate Number 0525-MED-DE- MED1650147

### Approval Documentation

#### Test Reports

Building Research Establishment (BRE), Garston, United Kingdom, 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

Lloyds Register pressure test witness report reference QR14-11211G/W and QR14-11212G/W both dated 15 June 2011

#### Conditions of Certification

1. 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.
2. DB single cable variant also accepted bolted to the deck or bulkhead.
3. 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
MSR	4-12mm	Steel Bulkhead	Unrestricted	A-60	1220244
MSR	13-32mm	Steel Bulkhead	Unrestricted	A-60	1220244
MSR	4-32mm	Steel Deck	Unrestricted	A-60	1220244
MSR	4-32mm	Steel Bulkhead	Restricted to the fire unexposed side	A-0	1220251
MSR	4-12mm	Steel Bulkhead	Unrestricted	A-0	1220251
MSR	13-32mm	Steel Bulkhead	Unrestricted	A-0	1220251
MSR	4-32mm	Steel Deck	Unrestricted	A-0	1220251

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



**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
SR	51-110mm	Steel Bulkhead	Restricted to the fire unexposed side	A-60	1220247
SR	4-12mm	Steel Bulkhead	Unrestricted	A-60	1220247
SR	4-110mm	Steel Deck	Unrestricted	A-60	1220247
SR	4-50mm	Steel Bulkhead	Restricted to the fire unexposed side	A-0	1220245
SR	51-110mm	Steel Bulkhead	Restricted to the fire unexposed side	A-0	1220245
SR	4-12mm	Steel Bulkhead	Unrestricted	A-0	1220245
SR	4-110mm	Steel Deck	Unrestricted	A-0	1220245

**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
DB	17-60mm	Steel Bulkhead	Unrestricted	A-60	1220246
DB	4-60mm	Steel Deck	Unrestricted	A-60	1220246
DB	4-16mm	Steel Bulkhead	Unrestricted	A-0	1220253
DB	17-60mm	Steel Bulkhead	Unrestricted	A-0	1220253
DB	4-60mm	Steel Deck	Unrestricted	A-0	1220253

4. Frame types MSR 20-63, SR 25-200 & DB 16-60.
5. EMP (Electro Magnetic Pulse) variant also accepted.
6. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype.
7. 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.

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Page: 5 of 5  
Certificate No: LR22490809MB  
Issue Date: 22/12/2021  
Expiry Date: 21/12/2026  
Reference: UKITSO/FIRE/TA/BM/WP42789280/PRJ1110035195

8. 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.
9. 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.

#### **PRESSURE TESTING**

1. MSR, SR and DB penetrations were tested for a hydrostatic and pneumatic pressure of 5 Bar

#### **PLACES OF PRODUCTION**

MCT Brattberg Ltd  
Commerce Street  
Carrs Industrial Estate  
Haslingden  
Lancashire, BB4 5JT  
United Kingdom

MCT Brattberg AB  
SE-37192 Karlskrona  
Sweden

Bruce McDonald  
Technical Authority-Statutory  
Lloyd's Register Americas  
**For and on behalf of Lloyd's Register Marine Deutschland**  
**LRMD EC Distinguishing No. 2923**

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.