



# EC TYPE EXAMINATION (MODULE B)

## CERTIFICATE No. MED082420CS

***This is to certify*** that RINA Services S.p.A. (Notified Body No. 0474) did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of Regulation (EU) 2020/1170.

<i>MED Item N°</i>	<b>MED/3.22</b>
<i>USCG Category N°</i>	<b>164.139</b>
<i>Description</i>	<b>Fire dampers</b>
<i>Type</i>	<b>FIRE DAMPER - TYPE IS OL4</b>
<i>Applicant</i>	<b>ISOL.ME.CAR. S.R.L.</b> VIA DEI BAGNI NUOVA 5 34074 Monfalcone (GO) ITALY
<i>Testing standards</i>	<b>IMO Res. MSC.307(88)-(2010 FTP Code)</b>
<i>Reference standards</i>	<b>Chap. II-2 of SOLAS 74 Convention, as amended, RINA Rules for the certification of Marine Equipment</b>

*Issued in Genoa on*  
December 16, 2020

*This Certificate is valid until*  
December 15, 2025

*This Certificate consists of this sheet plus an attachment*

**Enrico Cabella**  
RINA Services S.p.A.

***This document is a copy of a digitally signed file available on Rina Web Site: <http://www.rina.org>***



**ATTACHMENT TO  
CERTIFICATE No. MED082420CS**

**Page 1 of 2**

*Manufacturer*

**ISOL.ME.CAR. S.R.L.**

*Place of Manufacturer*

VIA GRAZIA DELEDDA 19

34079 Staranzano (GO)

ITALY

**Product description**

Multiblade fire dampers having maximum size of 1000x2000 mm (WxH), 300 mm deep fitted, in the middle, with an horizontal flat. The damper frame is composed of a carbon steel plate or stainless steel plate having thickness of 3 mm whereas the blades, having height from 213 up to 298 mm, are composed of an hollow profile made by two carbon steel sheets or stainless steel sheets, 2 mm thick each. The blades are filled with one layer of ceramic fiber (certified non combustible in compliance with IMO FTP Code), having thickness of 19 mm and density of 96 kg/m<sup>3</sup>. The horizontal flat is composed of a carbon steel or stainless steel flat, having thickness of 3 mm. The dampers installed on bulkheads are fitted with flanges having width of 50 mm; the damper installed on decks are fitted with flanges having width of 30 or 50 mm. Each damper is fitted with two actuators having minimum torque of 12 NM. The A-60 Fire dampers are insulated with one layer of mineral wool (certified non combustible in compliance with IMO FTP Code) having density of 100 kg/m<sup>3</sup> and thickness of 60 mm. The mineral wool panels, fixed by means of steel pins and washers, are also applied, on the coaming, for a minimum length of 875 mm.

**Field of application**

Fire resistant A-0 and A-60 Class fire dampers fitted on bulkheads and on decks.

**Reference documents**

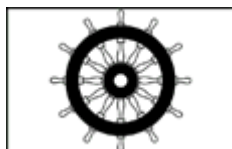
ISOL.ME.CAR. Srl drawings No. 001/20 Rev. 1 dated 20 November 2020, No. 002/20 dated 20 April 2020, No. 003/20 Rev. 1 dated 20 November 2020 and No. 004/20 dated 20 April 2020 approved on 15 December 2020 respectively with Nos. LABS-2125, LABS-2127, LABS-2128 and LABS-2130.

**Tests carried out**

Tests as per RINA Test Laboratory Reports No. 2020CS01824/001, No. 2020CS01824/003, No. 2020CS01824/004 and No. 2020CS01824/005 issued on 15 December 2020 according to IMO 2010 FTP Code Part. 3.

*This document is a copy of a digitally signed file available on Rina Web Site: <http://www.rina.org>*

*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 a written inspection agreement with a Notified Body*



XXXX/YYYY

**"WHEELMARK FORMAT"**

XXXX Notified Body number undertaking surveillance module

YY Last two digits of year mark affixed

**USCG Approval**

This product has been assigned a U.S. Coast Guard module B number (*USCG number: 164.139/EC0474*) to note type approval to Module B only as it pertains to obtaining U.S. Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" as amended by Decision N. 1/2018 signed on 18th February 2019.

The manufacturer is allowed to affix the U.S. Coast Guard approval number to the above equipment subject to the authorization of the Notified Body undertaking the surveillance module.

---

**General conditions for the approval**

- a) The initial conditions verified by RINA at the time of the approval are to be maintained
- b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- c) This certificate will no be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with RINA
- d) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- e) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.



---

**Enrico Cabella**

***This document is a copy of a digitally signed file available on Rina Web Site: <http://www.rina.org>***