

Lloyd's  
Register

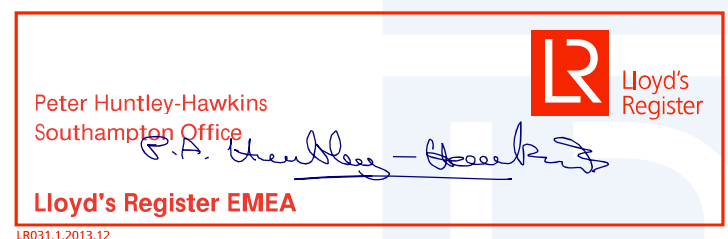
## Type Approval Certificate Extension

*This is to certify* that Certificate No. 06/ 00009(E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

<b>PRODUCER</b>	Mersen France SB S.A.S.
<b>PLACE OF PRODUCTION</b>	15 Rue de Vaucanson 69720 Saint Bonnet de Mure France
<b>DESCRIPTION</b>	Fuses holders (Part 1B)
<b>TYPE</b>	CMS 8 <sup>1</sup> CMS 10 <sup>2</sup> US 10 <sup>3</sup>
	<sup>1</sup> For 8 x 32 fuse links. Types gG,aM and gF/ gG <sup>2</sup> For 10 x 38 fuse links. Types gG, aM, URD/ gRB and 6JX <sup>3</sup> Is the same technical product as CMS 10
<b>APPLICATION</b>	Marine, offshore and industrial applications
<b>SPECIFIED STANDARDS</b>	IEC 60269-2 2013, IEC 60269-1 2006+A1:2009, IEC 60269-1 2014(ED 4.2)

<b>Certificate No.</b>	06/ 00009(E2)
<b>Issue Date</b>	19 February 2016
<b>Expiry Date</b>	18 February 2021
<b>Sheet</b>	1 of 2



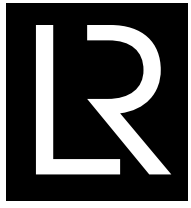
P.A. Huntley Hawkins  
Marine Technology & Engineering Services, Southampton  
Lloyd's Register EMEA

*Lloyd's Register EMEA*

*Southampton Boldrewood Innovation Campus, Burgess Road, Southampton, SO16 7QF*

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**RATINGS**

Frequency 45/ 62 Hz      1 to 4 pole


Type	Nominal Voltage (Ui) Volts (AC/DC)	Nominal Current (A)	Voltage Isolation Uimp (kV)
CMS 8	500	25	6
CMS 10	690	32	6
US 10	690	30	6

*“This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd’s Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate.”*

*The attached Design Appraisal Document No. and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 06/ 00009(E1) to which this extension should be attached.

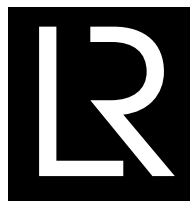
**Certificate No.**                      06/ 00009(E2)  
**Issue Date**                            19 February 2016  
**Expiry Date**                            18 February 2021  
**Sheet**                                      2 of 2

  
Peter Huntley-Hawkins  
Southampton Office  
**Lloyd's Register EMEA**  
LR031.1.2013.12

P.A. Huntley Hawkins  
Marine Technology & Engineering Services, Southampton  
Lloyd’s Register EMEA

*Lloyd’s Register EMEA  
Southampton Boldrewood Innovation Campus, Burgess Road, Southampton, SO16 7QF*

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## Lloyd's Register EMEA

Marine Technology & Engineering Services

Lloyd's Register Global Technology Centre, Southampton  
Boldrewood Innovation Campus, Burgess Road,  
Southampton, SO16 7QF

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Document number 06/00009(E2)
Issue number 1

### DESIGN APPRAISAL DOCUMENT

Date 14 March 2016	Quote this reference on all future communications MTES/ETS/TA/PAHH/MJH/WP24177341
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## LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2015.

Issued to: MERSEN FRANCE SB S.A.S.

For: FUSE HOLDERS

Types: CMS8, CMS10, US 10

TYPE APPROVAL CERTIFICATE No. 06/00009(E2)

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System, 2015 and this Design Appraisal Document forms part of the Certificate.

### APPROVAL DOCUMENTATION

ISO 9001:2008 certificate No 1994/2502.13. Expiry date 10 Aug 2018	10 Aug 2015
Fusetech-QMS-EMS-2014DAKKS certificate No 01 150 1320338 Expiry date 1 May 2017	2 May 2014
Cofrac Accreditation certificate No 1-0043 rev.2 Expiry 31 Dec 2013	31 Aug 2017
CMS8 Data Sheet	Not Dated
CMS10 Data Sheet	Not Dated

### REPORTS

Production Quality Assessment	21 Jan 2016
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Also all the documentation listed on Design Appraisal Document associated with Type Approval Certificate No.06/00009(E1)

### Supplementary Type Approval Terms and Conditions

*Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.*

*If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.*

*The application of this Type Approval Certificate will be limited to the relevant scope of the Specified Standards and acceptance thereof by the local authorities.*

*Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.*

*Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.*



Lloyd's Register

## Lloyd's Register EMEA

Marine Technology & Engineering Services

Lloyd's Register Global Technology Centre, Southampton  
Boldrewood Innovation Campus, Burgess Road,  
Southampton, SO16 7QF

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Peter Huntley-Hawkins  
Southampton Office



**Lloyd's Register EMEA**



LR031.1.2013.12

P.A.Huntley-Hawkins  
Electrotechnical Systems  
Marine Technology & Engineering Services, Southampton  
Lloyd's Register EMEA

**Part 1B**  
**Subject: Electrical Equipment (Not Environmentally Tested)**  
**Product: Fuses (Part 1B)**

Producer/ Licence No.	Description of Product				Cert. No.		
	Type	Details of Approval					
Mersen France SB S.A.S., 15 Rue de Vaucanson, 69720 Saint Bonnet de Mure, France.	Fuse Holders	Frequency (Hz)	45/ 62 Poles 1 to 4	Nominal Current (A)	Voltage Isolation Uimp (KV)	Expires: 18 February 2021  Complies with: IEC 60269-2 2013, IEC 60269-1 2006+A1:2009, IEC 60269-1 2014(ED 4.2)	06/ 00009(E2)
	Types	Nominal Voltages (Ui) Volts(AC/ DC)					
	For 8x32 fuse links Types gG, aM and gF/gG	500V	25	6			
	For 10x38 fuse links Types gG, aM, URD/gRB and gJX	690	32	6			
US 10	690	30	6				
Is the same technical production as CMS10							

*G.A. Khan - Head of Dept*

19 February 2016