



CERTIFICATE NUMBER 22-2201928-PDA
EFFECTIVE DATE 21-Jan-2022
EXPIRY DATE 20-Jan-2027
ABS TECHNICAL OFFICE Houston ESD - Piping

CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

WEIDMUELLER INTERFACE GMBH & CO. KG

located at

KLINGENBERGSTRASSE 26, D-32758 DETMOLD, Germany

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product: Electronic Fuse
Model: maxGUARD: AMG xxx
Endorsements:
Tier: 2 - PDA Issued

This Product Design Assessment (PDA) Certificate remains valid until 20/Jan/2027 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping
Yongjin Lee
Yongjin Lee, Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

WEIDMUELLER INTERFACE GMBH & CO. KG

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Tier: 2 - PDA Issued

Product: **Electronic Fuse**

Model: **maxGUARD: AMG xxx**

Endorsements:

Intended Service:

Marine & Offshore Application - Low Voltage Direct Current Distribution Systems

Description:

Rail mounted electronic load monitoring modules.
See attached covered modules.

Rating:

Rated input voltage: 24 V DC

Rated output currents: up to 12 A

Ambient Temperature: -25 °C ... +55 °C

Degree of Protection: IP20

Service Restriction:

Unit Certification is not required for this product.

If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

The modules are not to be used in hazardous areas.

Comments:

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes/Drawing/Documentation:

Drawing No. LAB23618E, Test Report, dated 24/11/2021, Revision: -

Drawing No. 2017015, Test Report, Environmental, 02/03/2017, Revision: -

Drawing No. 208xx01, Data Sheets, AMG ELM, Revision: -

Drawing No. 208xx04, Data Sheets, AMG FIM, Revision: -

Drawing No. 208xx02, Data Sheets, Revision: -

Drawing No. 208xx03, Data Sheets, Revision: -

Drawing No. 152xx, Data Sheets, Revision: -

Drawing No. LAB20866E, Test Report, EMC, 16/03/2017, Revision: -

Drawing No. LAB20880E, Test Report, Environmental, 16/03/2017, Revision: -

Drawing No., 2526740000, Manual, Revision: -,

Drawing No. SCMP 5604587, Software Traceability, Revision: -

Drawing No. BSH_961, Compass Safe Distance Certificate, Revision: -

Terms of Validity:

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STANDARDS

ABS Rules:

The Rules for Conditions of Classification (2022), 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

ABS Rules for Building and Classing Marine Vessel Rules (2022): 4-8-3/1.3, 4-8-3/1.7, 4-8-3/1.11.1, 4-8-3/5.3.4

The Rules for Conditions of Classification - Offshore Units and Structures (2022): 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

ABS Rules for Building and Classing Mobile Offshore Units (2022): 6-1-7/13.3

National:

NA

International:

NA

Government:

NA

EUMED:

NA

OTHERS:

NA