



TYPE APPROVAL CERTIFICATE
No. ELE231216XG/001

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	Automation terminals
<i>Type</i>	maxGUARD
<i>Applicant</i>	WEIDMUELLER INTERFACE GMBH & CO. KG KLINGENBERGSTRASSE 16 32 728 Detmold GERMANY
<i>Manufacturer</i>	WEIDMUELLER INTERFACE GMBH & CO. KG
<i>Place of manufacture</i>	KLINGENBERGSTRASSE 16 32 728 Detmold GERMANY
<i>Reference standards</i>	Rules for the Classification of Ships - Part C - Machinery, Systems and fire protection - Ch.3, Sect.6, Tab.1.

Issued in **HAMBURG** on **November 21, 2017**. *This Certificate is valid until* **May 11, 2022**



RINA Services S.p.A.
Giuseppe Russo

This certificate consists of this page and 1 enclosure



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maxGUARD**Product Description:**

The maxGUARD series is a modular system designed to distribute 24V control voltages. It consists of electronic load monitors, potential distribution terminals, and feed-in, control and alarm modules.

Components:

Load monitoring modules

Order no.	Designation	Rated current	Description
2082040000	AMG ELM-1F EX	1A	Fixed value
2082050000	AMG ELM-2F EX	2A	Fixed value
2082060000	AMG ELM-4F EX	4A	Fixed value
2082310000	AMG ELM-6F EX	6A	Fixed value
2082320000	AMG ELM-8F EX	8A	Fixed value
2082430000	AMG ELM-10F EX	10A	Fixed value
2082000000	AMG ELM-6 EX	1-6A	Adjustable value
2082010000	AMG ELM-12 EX	4-12A	Adjustable value
2082440000	AMG ELM-6D CO	1-6A	Adjustable value with relay
2082470000	AMG ELM-10D CO	4-10A	Adjustable value with relay

Notes:

- all PCB are finished with varnish

Extension modules

Order no.	Designation	Description
2082530000	AMG FIM-0 EX	Passive feed module, without PCB
2082540000	AMG FIM-C EX	Active feed module, with PCB
2083360000	AMG CM EX	Control module, with Reset/Alarm/I<90%/On/Off function
2082770000	AMG AM CO	Alarm module, with signal relay, Alarm/I>90%

Notes:

- all PCB are finished with varnish

Auxiliaries

Order no.	Designation	Description
2495090000	AMG OD EX *	Distribution terminal, 2x plus, 2x minus
2495070000	AMG PD EX *	Distribution terminal, 4x plus, minus
2495040000	AMG MD EX *	Distribution terminal, 4x minus
2495100000	AMG DIS EX *	Distribution terminal, with separation lever
2495080000	AMG_XMD EX *	Distribution terminal, 4x minus
2123000000	AMG PP	Separation
2495380000	AMG EP	Plate, termination
2500760000	AMG EP KIT	Separation plate
1479000000	WEW 35/2 V0 GF SW	End bracket
	ZQV 4N	Connection bridges, 2-10 poles, isolated, 50 poles, non isolated ends

* Notes: - PCB are finished with varnish



Handwritten signature or initials.

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maxGUARD

Main characteristics:

Functions: - Overload advance warning,

- Low voltage detection

- Surge detection

- Overtemperature detection

Number of bus participants max. 25 (incl. control or active feed-in module)

Degree of protection: IP20

Rated voltage: 24V DC

Rated current of cross-connectors: 32A (2 contacts for 40A feed-in required)

Current-carrying capacity of load connections max. 12A total current (load monitors, potential distribution terminals)

Connection type: PUSH IN

Documents:

- 2526740000 Rev. 01 04!2017; 1479000000 WEW_35_2_V0_GF_SW_en; 1527930000_ZQV_4N_2_en;
- 1527940000_ZQV_4N_3_en; 1527970000_ZQV_4N_4_en; 1527980000_ZQV_4N_5_en; 1527990000_ZQV_4N_6_en;
- 1528020000_ZQV_4N_7_en; 1528030000_ZQV_4N_8_en; 1528070000_ZQV_4N_9_en; 1528090000_ZQV_4N_10_en;
- 1528130000_ZQV_4N_50_en; 2082000000_AMG_ELM-6_EX_en; 2082010000_AMG_ELM-12_EX_en;
- 2082040000_AMG_ELM-1F_EX_en; 2082050000_AMG_ELM-2F_EX_en; 2082060000_AMG_ELM-4F_EX_en;
- 2082310000_AMG_ELM-6F_EX_en; 2082320000_AMG_ELM-8F_EX_en; 2082430000_AMG_ELM-10F_EX_en;
- 2082440000_AMG_ELM-6D_CO_en; 2082470000_AMG_ELM-10D_CO_en; 2082530000_AMG_FIM-0_EX_en;
- 2082540000_AMG_FIM-C_EX_en; 2082770000_AMG_AM_CO_en; 2083360000_AMG_CM_EX_en;
- 2123000000_AMG_PP_en; 2495040000_AMG_MD_EX_en; 2495070000_AMG_PD_EX_en;
- 2495080000_AMG_XMD_EX_en; 2495090000_AMG_OD_EX_en; 2495100000_AMG_DIS_EX_en;
- 2495380000_AMG_EP_en; 2500760000_AMG_EP_KIT_en;

Test Reports:

Bundesamt für Seeschifffahrt und Hydrographie: - 961 dated 2017-03-02

RS Schwarze Elektrotechnik: - 2017015 dated 2. März 2017;

Weidmüller Interface GmbH & Co. KG: - LAB20866E dated 2017-02-09; LAB20880E dated 2017-02-27;

Remarks:

- The products fulfill EC-Code: EC31.
- Compass safe distance acc. to BSH certificate is to be considered.
- The equipment fulfils the EMC requirements for installation on the Bridge and Deck Zones.
- This certificate cancels and replace the previous one: ELE231216XG. ^{SN}

HAMBURG November 21, 2017

