

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	Weidmueller Interface GmbH & Co. KG		
Address	Klingenbergstr. 26, Detmold, 32758, Germany		
Type	Power Distribution Systems & Power Supplies		
Description	Electronic load monitoring		
	Refer to the Appendix for further details.		
Trade Name	maxGUARD		
Application	Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – July 2015.		
Specified Standard	Manufacturer's specification EN 60945:2015-11 IACS unified requirements E10 (Rev.8 Feb 2021)		
Ratings	Rated input voltage:	24 VDC	
	Rated output current of electronic load monitoring modules:	1...12A (fixed resp. adjustable)	



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Additional Tests

Low temperature (-25°C/16h)
Compass safe distance (standard magnetic compass: 1.60m / steering
magnetic compass: 1.00m)

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.

Previous Version:

This certificate supersedes certificate number 17/20069 (E1) issued on 09 October 2017 which is hereby cancelled.

The Design Appraisal Document HTS/ETS 42332-22/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Appendix

TYPES

maxGUARD

Comprising following modules:

Feed-in modules	HVN:
2082540000 AMG FIM-C EX	1.1.x
2082530000 AMG FIM-O EX	1.1.x

Electronic load monitoring modules	
2082000000 AMG ELM-6 EX	1.1.x
2082010000 AMG ELM-12 EX	1.1.x
2082440000 AMG ELM-6D CO	1.1.x
2082470000 AMG ELM-10D CO	1.1.x
2082040000 AMG ELM-1F EX	1.1.x
2082050000 AMG ELM-2F EX	1.1.x
2082060000 AMG ELM-4F EX	1.1.x
2082310000 AMG ELM-6F EX	1.1.x
2082320000 AMG ELM-8F EX	1.1.x
2082430000 AMG ELM-10F EX	1.1.x

Control & alarm modules	HVN:
2083360000 AMG CM EX	1.1.x
2082770000 AMG AM CO	1.1.x
x = minor changes and bug fixes	

Accessories

2123000000 AMG PP (separation plate)
2500760000 AMG EP KIT (fastening element + end bracket)
2495380000 AMG EP (fastening element)
1479000000 WEW 35/2 V0 GF SW (end bracket)

Cross connectors

ZQV 4N/2
ZQV 4N/3
ZQV 4N/4
ZQV 4N/5
ZQV 4N/6
ZQV 4N/7
ZQV 4N/8
ZQV 4N/9
ZQV 4N/10
ZQV 4N/50

Potential distributors
2495090000 AMG OD EX
2495070000 AMG PD EX
2495040000 AMG MD EX
2495080000 AMG XMD EX
2495100000 AMG DIS EX

PLACE OF PRODUCTION

HS Electronic SPOL SRO
Zavodna 459
Nizna 02743 SK
Slovakia