

Attachment to Certificate No.: 21SHN1753-01

## Constructional Data Form (CDF)

<i>Certificate Holder:</i>	<b>NINGBO MENG QILI ELECTRICAL TECHNOLOGY CO., LTD. SHANGCHEN VILLAGE 315181 Ningbo, Zhejiang P. R. China</b>
<i>Manufacturing Site:</i>	<b>NINGBO MENG QILI ELECTRICAL TECHNOLOGY CO., LTD. SHANGCHEN VILLAGE 315181 Ningbo, Zhejiang P. R. China</b>
<i>Product: (in German)</i>	<b>Steckerleistungsmessgerät</b>
<i>Product: (in English)</i>	<b>Direct plug-in power meter</b>
<i>Type:</i>	<b>KGS01-01, KGS02-01, KGS04-01, MGS0101, MGS0101A</b>
<i>Brandname:</i>	<b>NINGBO MENG QILI ELECTRICAL TECHNOLOGY CO., LTD (logo)</b>
<i>Description:</i>	<b>230V~, 50Hz, 16A, 3680W, CAT II</b>
<i>Test Report No.:</i>	<b>210400474SHA-001:2021-09-08 210400474SHA-001+A1:2021-11-12 210400643SHA-001:2021-08-19 210400643SHA-002:2021-08-19</b>
<i>Tested according to:</i>	<b>DIN VDE 0620-1:2016+A1:17 DIN VDE 0620-2-1:2016+A1:17+EK1 510-11:2011 EN 61010-1:2010+A1:2019 PAK-Anforderung für GS (PAH requirement for GS) AfPS GS 2019:01 PAK DIN VDE 0620-2-1:2021 Abschnitt / Clause 10.5</b>
<i>Valid until:</i>	<b>2026-01-01</b>
<i>Issued on:</i>	<b>2021-11-18</b>

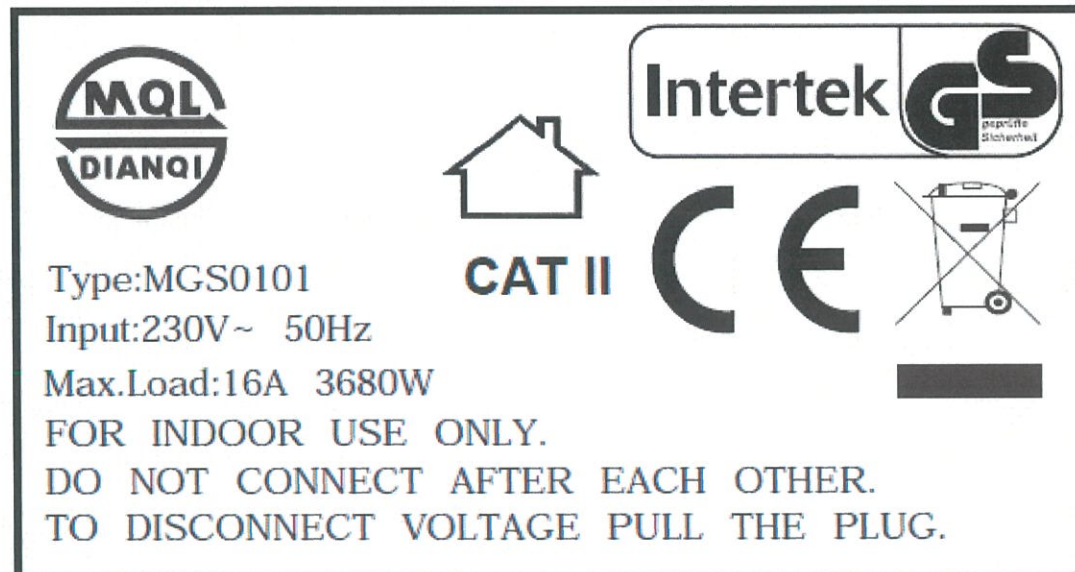
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**Product Information:**

**General product information**

Product covered by this report is direct plug-in power meter for indoor use only. The product is intended to operate at altitudes up to 2000m.

**Copy of marking plate**

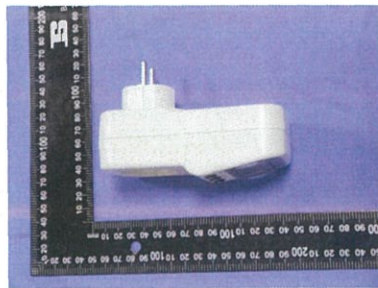
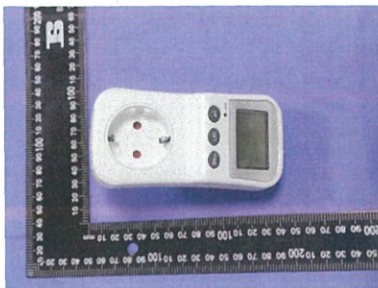


Note: When the equipment is vended to Germany, then name and address of the importer or authorized representative within the EEA shall be added on the equipment.

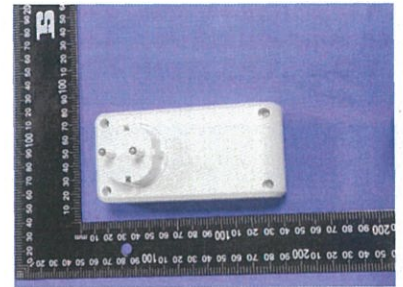
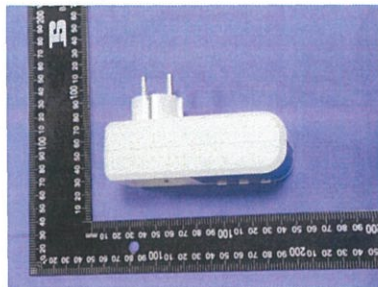
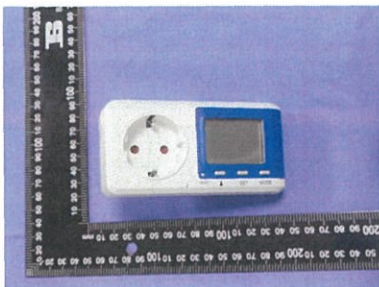
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**Product Pictures**

KGS01-01



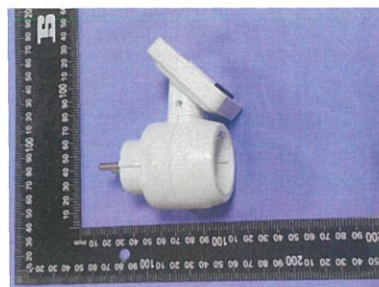
KGS02-01



KGS04-01



MGS0101, MGS0101A



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**List of Critical Components**

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity <sup>1)</sup>
Enclosure	Chi Mei Corporation	PC-122(+) PC-110V(+) (UL E56070)	Flame Class V-2 Min.thickness:1,6mm All color, hard material	EN 61010-1 AfPS GS 2019:01 PAK	Tested with appliance
Alt. use	Ningbo Futian New Material Technology Co Ltd	FS-088(f2) (UL E152381)	Flame Class V-0 Min.thickness:1,6mm All color, hard material	EN 61010-1 AfPS GS 2019:01 PAK	Tested with appliance
Control key	Dongguan Yueguixin Electronic Technology Co., Ltd	NE-5150/ NE7150	Black, hard material	EN 61010-1 AfPS GS 2019:01 PAK	Tested with appliance
Face of LCD display	Chi Mei Corporation	CM-205 (X) (UL E56070)	HB, minimum thickness: 0,7mm; transparent, soft material	EN 61010-1 AfPS GS 2014:01 PAK	Tested with appliance
PCB	Zhejiang Zapon Electronic Technology Co Ltd	Z-M /J-D (UL E253641)	V-0, 130°C, thickness: 1,45mm	EN 61010-1	Tested with appliance
Alt. use	Leuchtekt Electronics (Zhejiang) Co., Ltd.	PFR-4 / PFR-1 (UL E199273)	V-0, 130°C, thickness: 1,45mm	EN 61010-1	Tested with appliance
Internal wire	Xingda Electronics Wire & Cable Co Ltd	1015, 3135 (UL E187208)	Min.105°C, 600V, 14AWG for Line, 18AWG for Neutral	EN 61010-1	Tested with appliance
Alt. use	Zhejiang Londa Electronic Wire & Cable Co Ltd	1015, 3135 (UL E205056)	Min.105°C, 600V, 14AWG for Line, 18AWG for Neutral	EN 61010-1	Tested with appliance
Alt. use	Xinya Electronic Co Ltd	1015 (UL E170689)	105°C, 600V, 14AWG for Line, 18AWG for Neutral	EN 61010-1	Tested with appliance
Alt. use	Shanghai Qiaopu Wire & Cable Co., Ltd.	1015 (UL E330901)	105°C, 600V, 14AWG for Line, 18AWG for Neutral	EN 61010-1	Tested with appliance
Alt. use	Xiangshan Fahua Electric Wire & Cable Co., Ltd.	1015, 3135 (UL E222362)	Min. 105°C, 600V, 14AWG for Line, 18AWG for Neutral	EN 61010-1	Tested with appliance
Alt. use	Ningbo Tian Hong Wire & Cable Co., Ltd.	1015 (UL E348905)	105°C, 600V, 14AWG for Line, 18AWG for Neutral	EN 61010-1	Tested with appliance
X capacitor (C1) for MGS0101 & MGS0101A	Aid Electronic Corporation	MEX	X2, 0,47µF, AC 275V min. 40/85/21C or 40/100/21C	IEC/EN 60384-14	VDE/ 40028973
Alt. use	Dong Guan Ajc Industrial Co., Ltd	MPX/MKP	X2, 0,47µF, AC 275V min. 40/110/56B	IEC/EN 60384-14	VDE/ 40045532
Alt. use	Suzhou Chuangji Electronics Co., Ltd.	MPX	X2, 0,47µF, AC 310V, 40/110/56B	IEC/EN 60384-14	VDE/ 40042663
Alt. use	Shenzhen Yixingjie Capacitors Co., Ltd,	MKP	X2, 0,47µF, AC 310V, 40/110/56B	IEC/EN 60384-14	VDE/ 40041856
Thermal link for MGS0101 & MGS0101A	Shenzhen Baisheng Electrical Co.,Ltd	H4Bxx104C	AC 250V 16A 104°C	IEC/EN 60691	VDE/ 40022386
Alt. use	Zhangzhou Aupo Electronics Co., Ltd.	BF104X	AC 250 V 16A 104°C	IEC/EN 60691	VDE/ 40005418
X capacitor (C1) for KGS01-01, KGS02-01 & KGS04-01	Aid Electronic Corporation	MEX	X2, 0,33µF, AC 275V min. 40/85/21C or 40/100/21C	IEC/EN 60384-14	VDE/ 40028973
Alt. use	Tenta Electric Industrial Co. Ltd.	MEX	X2, 0,33µF, AC 275V min. 40/100/21C	IEC/EN 60384-14	VDE/ 119119
Alt. use	Changzhou Defu Electronic Co., Ltd.	MPX/MKP	X2, 0,33µF, AC 275V min. 40/85/21C	IEC/EN 60384-14	TUV Rh/ R 50044925
Flexible cord for KGS04-01 only	Ningbo Liansheng Wire & Cable Co., Ltd.	H03VV-F	3 x 0,5mm <sup>2</sup> , for KGS04-01 only, White, soft PVC material	DIN VDE 0281-5 AfPS GS 2019:01 PAK	VDE/ 40034732
Alt. use	Ningbo Xuanhua Electric Co., Ltd.	H03VV-F	3 x 0,5mm <sup>2</sup> , for KGS04-01 only, White, soft PVC material	DIN VDE 0281-5 AfPS GS 2019:01 PAK	VDE/ 40016531

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Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity <sup>1)</sup>
Intermediate adaptor (plug & socket) for MGS0101 & MGS0101A	Ningbo Meng Qili Electrical Technology Co., Ltd	Adaptor	16A, 250V White, hard material	DIN VDE 0620-2-1:2016 + A1:2017 in conjunction with DIN VDE 0620-1: 2016 + A1: 2017, DIN VDE 0620-2-1:2021 clause 10.5 EK1 510-11: 2011 AfPS GS 2019:01 PAK	See testing report 210400643S HA-002
Intermediate adaptor (plug & socket) for KGS01-01, KGS02-01 & KGS04-01	Ningbo Meng Qili Electrical Technology Co., Ltd	Adaptor	16A, 250V White, hard material	DIN VDE 0620-2-1:2016 + A1:2017 in conjunction with DIN VDE 0620-1: 2016 + A1: 2017, DIN VDE 0620-2-1:2021 clause 10.5 EK1 510-11: 2011 AfPS GS 2019:01 PAK	See testing report 210400643S HA-001
<p>Note</p> <ul style="list-style-type: none"> <li>→ 1 List all different manufacturers of the above components</li> <li>→ 2 May include electrical, mechanical values</li> <li>→ 3 List licence no or method of acceptance</li> <li>→ 4 asterisk indicates mark assuring agreed level of surveillance</li> </ul>					

**Modification Summary**

The following changes have been made to this CDF:

Date	Local Project no.	Description of Change
2021-11-12	210400474SHA-02	1. Corrected of internal photo of model MGS0101 and added internal photo of model MGS0101A since model MGS0101 and MGS0101A use different display ICs, the layout is different.

This CDF replaces previously issued CDF dated 2021-11-09.

Signed



Date 2021-11-18