

Certificate



Prüfbescheinigung nach dem Produktsicherheitsgesetz

Test Certificate in compliance with the Product Safety Law

Bescheinigungs-Nr. (Certificate No.): 17SHN0593-01

Das Produkt entspricht den Anforderungen des Produktsicherheitsgesetzes (ProdSG) § 21 (1) hinsichtlich der Gewährleistung von Sicherheit und Gesundheit und entspricht den derzeit anerkannten Regeln der Technik.

(The product is in compliance with the judicial requirements of the Product Safety Law (ProdSG) § 21 (1) and the currently accepted rules of technology.)

Die Kennzeichnungspflichten des Produktes gemäß §6 ProdSG sind einzuhalten.

(The marking requirements of the product based on §6 ProdSG have to be observed.)

Bescheinigungsinhaber (Certificate Holder)

Kangtai Electric Co., Ltd.
No.5, Kangtai Rd., Huanghua Industrial District,
Yueqing, Zhejiang,
P. R. China

Markenname (Brandname)

Kangtai

Fertigungsstätte (Manufacturing Site)

Kangtai Electric Co., Ltd.
No.5, Kangtai Rd., Huanghua Industrial District,
Yueqing, Zhejiang,
P. R. China

Produkt (Product)

Funksteckdosenadapter mit Ein/Aus Funktion für Innenräume
Wireless remote control adaptor with On/Off switch for indoor use
(Plug-in remote control socket)

Typbezeichnung (Type)

51158X36, 51159X36, 51160X36, 51161X36, 51185X36, 51192X36, 51196X36, 51198X36

Beschreibung (Description)

Funksender (Transmitter):

12VDC, 433.92MHz: 50027, 50028, 50029, 50030, 50031, 50032, 50050;

3VDC, 433.92MHz :50067, 50074, 50075, 50080, 50088, 50089, 50092;

Empfänger(Receiver):51158X36, 51159X36, 51160X36, 51161X36, 51185X36, 51192X36, 51196X36, 51198X36;

230V~, 50Hz, 16A, Max.3680W, µ, für Schutzklasse I Gerät (For Class I appliance), IP20,

Prüfbericht-Nr. (Test Report No.)

170300996SHA-001:2017-04-17

170300996SHA-002:2017-04-17

Einzelheiten siehe Anhang (Details see attachment)

Geprüft nach (Tested according to)

EN 61058-1:2002+A2:08

EN 62368-1:2014+AC:15 (teilweise / in parts)

PAK-Anforderung für GS (PAH requirement for GS) AfPS GS 2014:01 PAK

DIN VDE 0620-1:2016

DIN VDE 0620-2-1:2016+EK1 510-11:2011

Gültig bis (valid until)

2022-04-19

Erstellt am (Issued on)

2017-04-20



Intertek Deutschland GmbH
M.Eng. Gary Hu

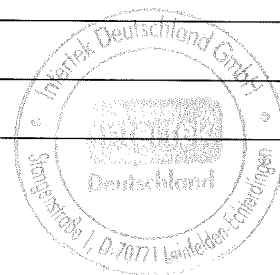
Dem Zertifikat liegen die Allgemeinen Geschäftsbedingungen der Intertek Deutschland GmbH zu Grunde. Bitte beachten Sie die umseitigen Hinweise.
The General Business Conditions of Intertek Deutschland GmbH is an integral part of this certificate. Please also refer to the information overleaf.

Intertek Deutschland GmbH, Stangenstraße 1, 70771 Leinfelden-Echterdingen

Sitz Leinfelden-Echterdingen, Registergericht Stuttgart, HRB Nr. 225262, Geschäftsführer: Michael Jungnitsch
Tel.: +49 711 27311-0, Fax: +49 711 27311-559, E-Mail: gs@intertek.com, web: www.intertek.de/directory

Constructional Data Form (CDF)

<i>Certificate Holder:</i>	Kangtai Electric Co., Ltd. No.5, Kangtai Rd., Huanghua Industrial District, Yueqing, Zhejiang, P. R. China
<i>Manufacturing Site:</i>	Kangtai Electric Co., Ltd. No.5, Kangtai Rd., Huanghua Industrial District, Yueqing, Zhejiang, P. R. China
<i>Product: (in German)</i>	Funksteckdosenadapter mit Ein/Aus Funktion für Innenräume
<i>Product: (in English)</i>	Wireless remote control adaptor with On/Off switch for indoor use(Plug-in remote control socket)
<i>Type:</i>	51158X36, 51159X36, 51160X36, 51161X36, 51185X36, 51192X36, 51196X36, 51198X36
<i>Brandname:</i>	Kangtai
<i>Description:</i>	Transmitter: 12VDC, 433.92MHz: 50027, 50028, 50029, 50030, 50031, 50032, 50050; 3VDC, 433.92MHz: 50067, 50074, 50075, 50080, 50088, 50089, 50092; Receiver: 51158X36, 51159X36, 51160X36, 51161X36, 51185X36, 51192X36, 51196X36, 51198X36; 230V~, 50Hz, 16A, Max.3680W, μ , For Class I appliance, IP20,
<i>Test Report No.:</i>	170300996SHA-001:2017-04-17 170300996SHA-002:2017-04-17
<i>Tested according to:</i>	EN 61058-1:2002+A2:08 EN 62368-1:2014+AC:15 (teilweise / in parts) PAK-Anforderung für GS (PAH requirement for GS) AfPS GS 2014:01 PAK DIN VDE 0620-1:2016 DIN VDE 0620-2-1:2016+EK1 510-11:2011
<i>Valid until:</i>	2022-04-19
<i>Issued on:</i>	2017-04-20



Product Information:

General product information

Plug-in remote control socket

Transmitter: 50027, 50028, 50029, 50030, 50031, 50032 and 50050 rated 12VDC 433.92MHz; 50067, 50074, 50075, 50080, 50088, 50089 and 50092 rated 3VDC 433.92MHz

Receiver: 51158X36, 51159X36, 51160X36, 51161X36, 51185X36, 51192X36, 51196X36, 51198X36

230V~, 50Hz, 16A, Max.3680W, μ , For Class I appliance, IP20, Type of circuit: 1.2, 1E4, T35, Rated impulse voltage: 2500V, Type of load: substantially resistive load, Level: 3, PT1175, Material group: IIIa, Pollution degree: 2, With DIN 49440-1 socket and 49441-R1 plug, With shutters

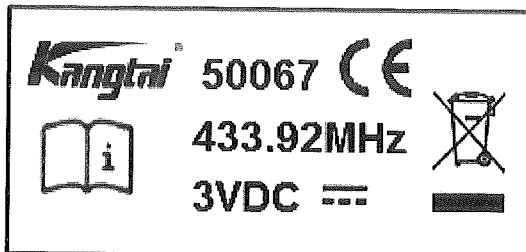
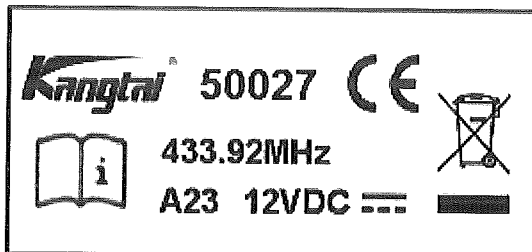
Copy of marking plate

Receiver:

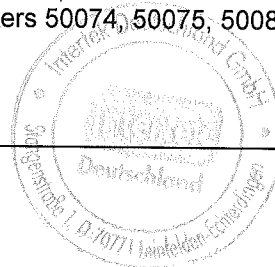


Note: the marking formats of other receivers are the same as above except the model number.

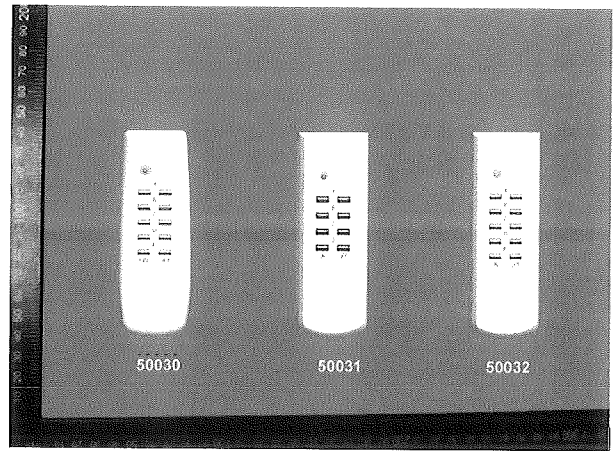
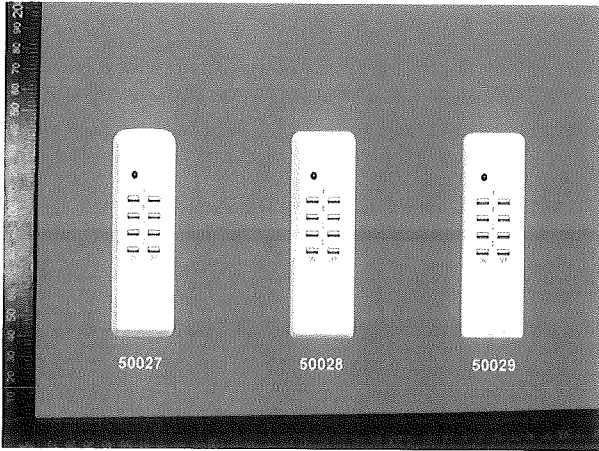
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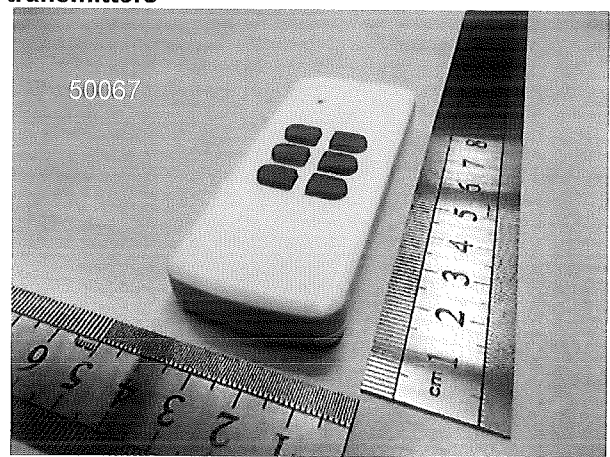
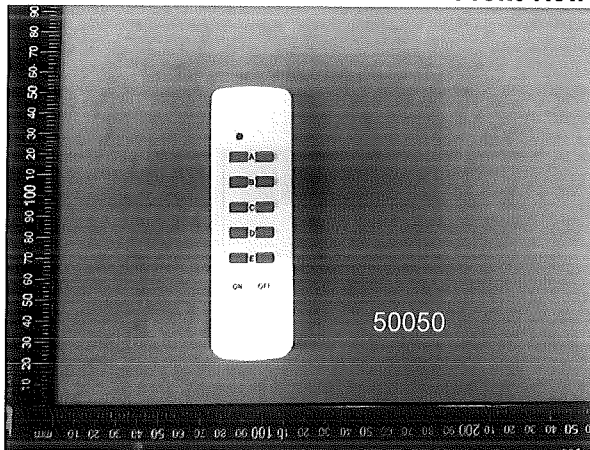
Note: the marking formats of transmitters 50028, 50029, 50030, 50031, 50032 and 50050 are the same as 50027 except the model number; the marking formats of transmitters 50074, 50075, 50080, 50088, 50089 and 50092 are the same as 50067 except the model number.



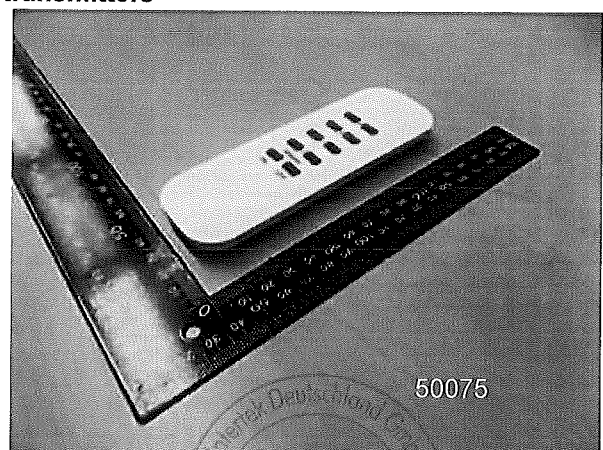
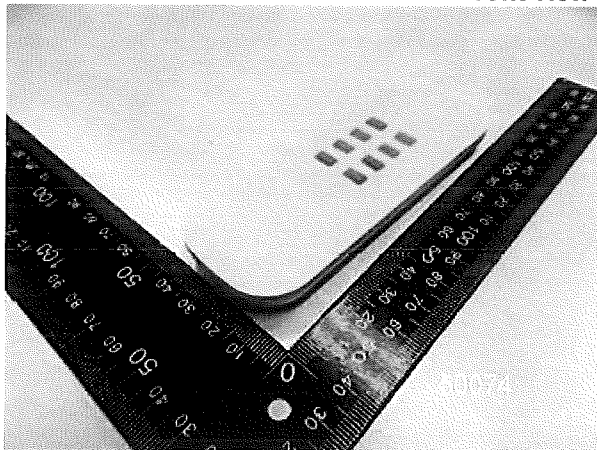
Product Pictures



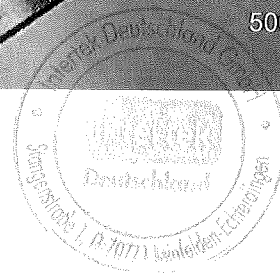
Front view of transmitters



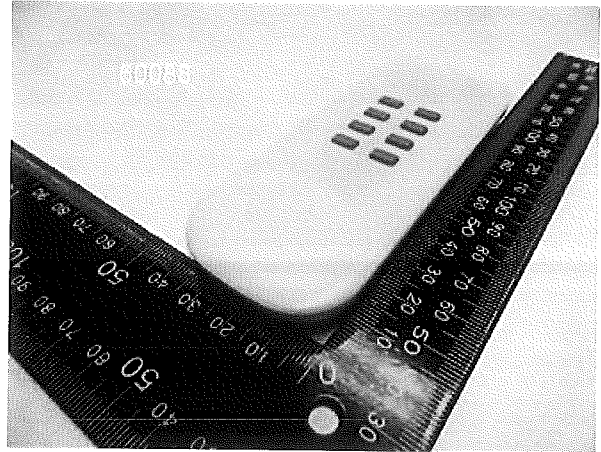
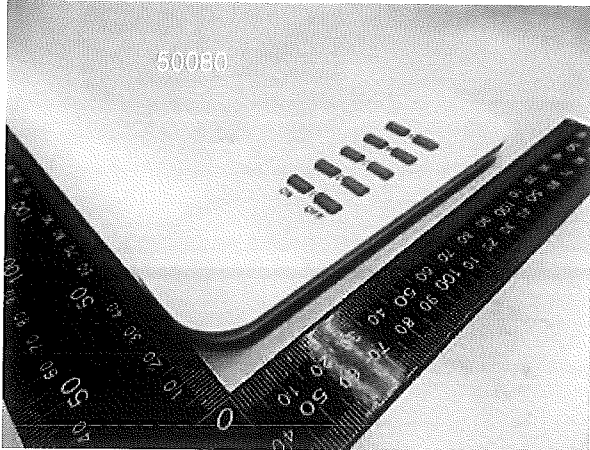
Front view of transmitters



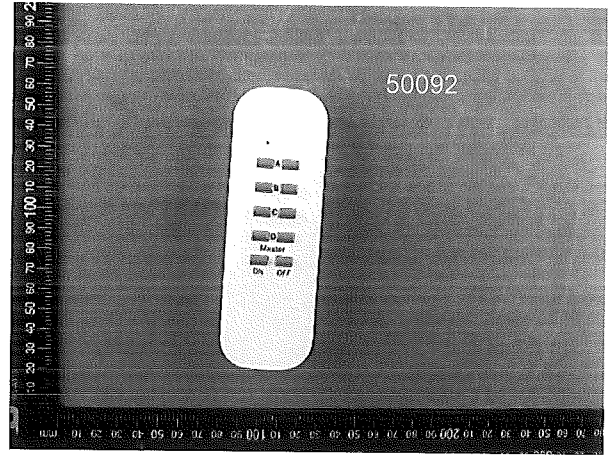
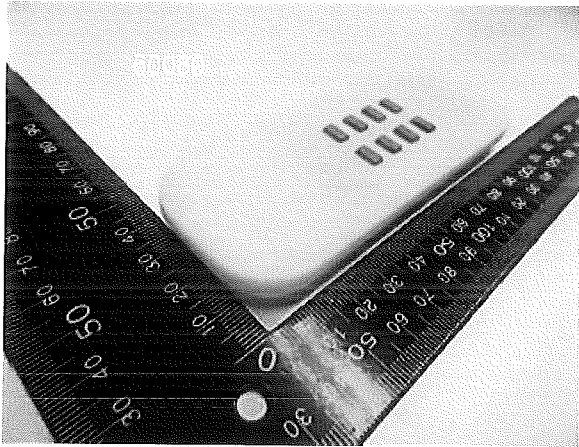
Front view of transmitters



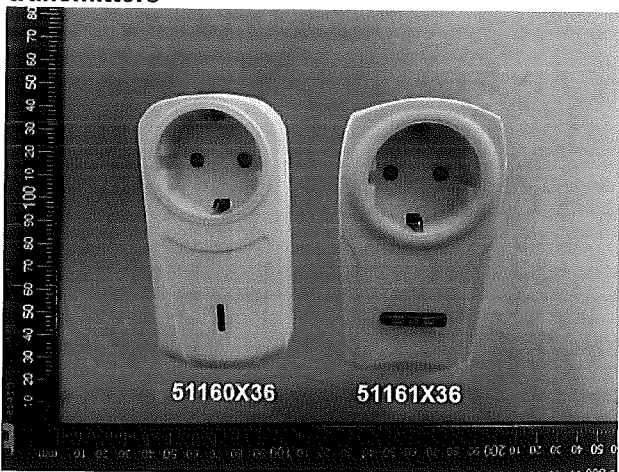
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Front view of transmitters



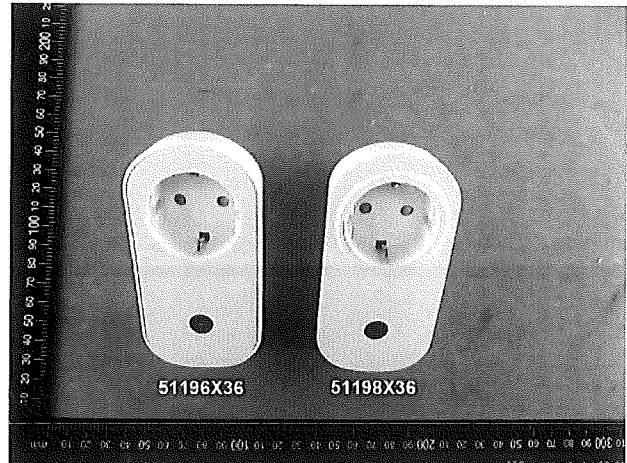
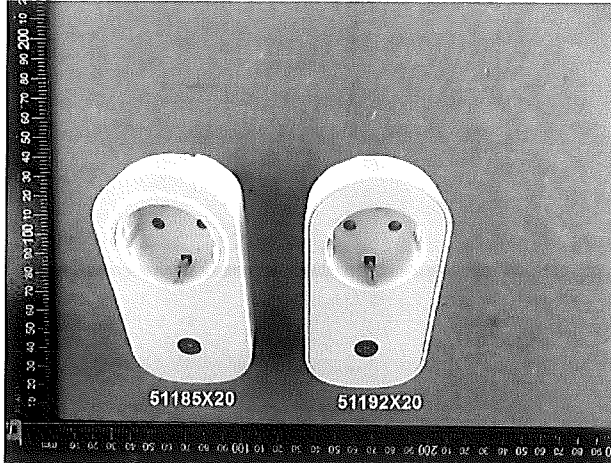
Front view of transmitters



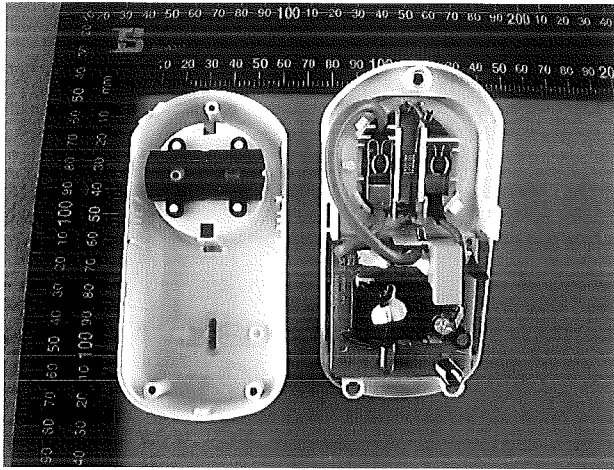
Front view of receivers



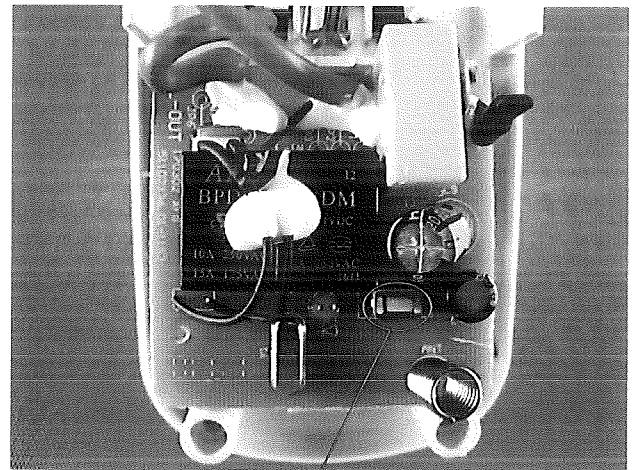
Attachment to Certificate No.: 17SHN0593-01



Front view of receivers

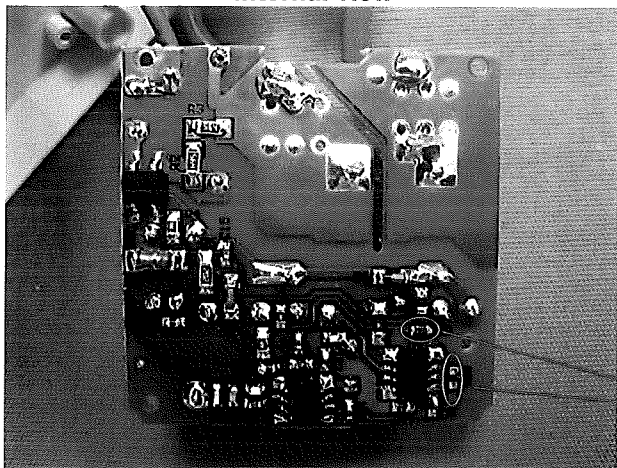


Internal view



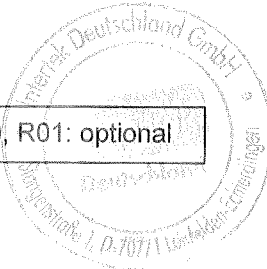
Front view of PCB

Button: optional



Back view of PCB

R0, R01: optional

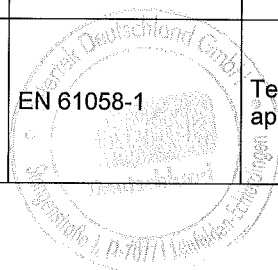


List of Critical Components

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Capacitor C1	Dain Electronics Co., Ltd.	MPX	X2 0,33µF 275VAC 40/100/21	IEC 60384-14	VDE 40018798
Alternative use	Jimson Electronics (Xiamen) Co., Ltd.	MKP	X2 0,33µF 275VAC 40/100/21	IEC 60384-14	VDE 40000463
Alternative use	Changzhou Dejie Optoelectronics Technology Co., Ltd.	MPX / MKP	X2 0,33µF 275VAC 40/100/21	IEC/EN 60384-14	TÜV R 50297652
Relay	Anhui Mingguan Life Electronic Co., Ltd.	BPD-SS-124DM	16A 250VAC	EN 61810-1	TÜV R 50209295
Thermal link	Xiamen Set Electronics Co., Ltd.	K18	250V~ 2A 86°C	EN 60691	VDE 40017055
Fusing resistor (R1)	Jiangsu Wujiang Lianfa Electronic Co., Ltd.	FRN	1W, 100Ω UL file No. E329343	EN 61058-1 DIN VDE 0620-1 DIN VDE 0620-2-1	Tested in appliance
PCB	DONGGUAN RONGTUO ELECTRONIC TECHNOLOGY CO LTD	2D	Thickness ≥ 1,5mm UL file No. E248992	EN 61058-1 DIN VDE 0620-1 DIN VDE 0620-2-1	Tested in appliance
Internal wiring (attached to L / L-out at PCB)	Yueqing Boyuan Electronic Wire & Cable Co., Ltd.	1015	14AWG 105°C 600V UL file No. E203561	EN 61058-1 DIN VDE 0620-1 DIN VDE 0620-2-1	Tested in appliance
Alternative use	Foshan City Shunde Jin Sheng Long Ele Appl Co., Ltd.	1015	14AWG 105°C 600V UL file No. E245714	EN 61058-1 DIN VDE 0620-1 DIN VDE 0620-2-1	Tested in appliance
Alternative use	Xinya Electronic Co., Ltd.	1015	14AWG 105°C 600V UL file No. E170689	EN 61058-1 DIN VDE 0620-1 DIN VDE 0620-2-1	Tested in appliance
Live parts carrier for adaptor, shutter	Sabic Innovative Plastics B V	PC / 241R	White or black Thickness ≥ 1,0mm UL file No. E45329	EN 61058-1 DIN VDE 0620-1 DIN VDE 0620-2-1 AfPS GS 2014:01 PAK	Tested in appliance
Alternative use	Sabic Innovative Plastics B V	PC / 243R	White or black Thickness ≥ 1,0mm UL file No. E45329	EN 61058-1 DIN VDE 0620-1 DIN VDE 0620-2-1 AfPS GS 2014:01 PAK	Tested in appliance
Alternative use	Ningbo E&T Development Zone Falaixin Plastifying Co., Ltd.	PC / 6170	White or black Thickness ≥ 1,0mm UL file No. E303538	EN 61058-1 DIN VDE 0620-1 DIN VDE 0620-2-1 AfPS GS 2014:01 PAK	Tested in appliance
Alternative use	Juner New Materials Co., Ltd.	PC / C2F	White or black Thickness ≥ 1,0mm UL file No.: E204321	EN 61058-1 DIN VDE 0620-1 DIN VDE 0620-2-1 AfPS GS 2014:01 PAK	Tested in appliance
Alternative use	Juner New Materials Co., Ltd.	PC / ABS-J	White or black Thickness ≥ 1,0mm UL file No.: E204321	EN 61058-1 DIN VDE 0620-1 DIN VDE 0620-2-1 AfPS GS 2014:01 PAK	Tested in appliance

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Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Enclosure	Sabic Innovative Plastics B V	PC / 241R	White or black Thickness $\geq 1,5\text{mm}$ UL file No. E45329	EN 61058-1 DIN VDE 0620-1 DIN VDE 0620-2-1 AfPS GS 2014:01 PAK	Tested in appliance
Alternative use	Sabic Innovative Plastics B V	PC / 243R	White or black Thickness $\geq 1,5\text{mm}$ UL file No. E45329	EN 61058-1 DIN VDE 0620-1 DIN VDE 0620-2-1 AfPS GS 2014:01 PAK	Tested in appliance
Alternative use	Ningbo Taiyong Engineering Plastics Co., Ltd.	ABS / TY15A1FR	White Thickness $\geq 1,5\text{mm}$ UL file No. E252828	EN 61058-1 DIN VDE 0620-1 DIN VDE 0620-2-1 AfPS GS 2014:01 PAK	Tested in appliance
Alternative use	Ningbo E&T Development Zone, Falaixin Plastifying Co., Ltd.	ABS / 751V	White Thickness $\geq 1,5\text{mm}$ UL file No. E303538	EN 61058-1 DIN VDE 0620-1 DIN VDE 0620-2-1 AfPS GS 2014:01 PAK	Tested in appliance
Alternative use	Ningbo E&T Development Zone Falaixin Plastifying Co., Ltd.	PC / 6170	White or black Thickness $\geq 1,5\text{mm}$ UL file No. E303538	EN 61058-1 DIN VDE 0620-1 DIN VDE 0620-2-1 AfPS GS 2014:01 PAK	Tested in appliance
Alternative use	Juner New Materials Co., Ltd.	PC / C2F	White or black Thickness $\geq 1,5\text{mm}$ UL file No.: E204321	EN 61058-1 DIN VDE 0620-1 DIN VDE 0620-2-1 AfPS GS 2014:01 PAK	Tested in appliance
Alternative use	Juner New Materials Co., Ltd.	PC / ABS	White Thickness $\geq 1,5\text{mm}$ UL file No.: E204321	EN 61058-1 DIN VDE 0620-1 DIN VDE 0620-2-1 AfPS GS 2014:01 PAK	Tested in appliance
Alternative use	Juner New Materials Co., Ltd.	PC / ABS-J	White or black Thickness $\geq 1,5\text{mm}$ UL file No.: E204321	EN 61058-1 DIN VDE 0620-1 DIN VDE 0620-2-1 AfPS GS 2014:01 PAK	Tested in appliance
Alternative use	Juner New Materials Co., Ltd.	PP / JEPP301	White Thickness $\geq 1,5\text{mm}$ UL file No.: E204321	EN 61058-1 DIN VDE 0620-1 DIN VDE 0620-2-1 AfPS GS 2014:01 PAK	Tested in appliance
Transmitter	Kangtai Electric Co., Ltd.	50027	12VDC 433.92MHz Materials used: same as receiver, thickness $\geq 1,5\text{mm}$ (enclosure and PCB)	EN 61058-1	Tested in appliance
Alternative use	Kangtai Electric Co., Ltd.	50028	12VDC 433.92MHz Materials used: same as receiver, thickness $\geq 1,5\text{mm}$ (enclosure and PCB)	EN 61058-1	Tested in appliance



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Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Alternative use	Kangtai Electric Co., Ltd.	50029	12VDC 433.92MHz Materials used: same as receiver, thickness ≥ 1,5mm (enclosure and PCB)	EN 61058-1	Tested in appliance
Alternative use	Kangtai Electric Co., Ltd.	50030	12VDC 433.92MHz Materials used: same as receiver, thickness ≥ 1,5mm (enclosure and PCB)	EN 61058-1	Tested in appliance
Alternative use	Kangtai Electric Co., Ltd.	50031	12VDC 433.92MHz Materials used: same as receiver, thickness ≥ 1,5mm (enclosure and PCB)	EN 61058-1	Tested in appliance
Alternative use	Kangtai Electric Co., Ltd.	50032	12VDC 433.92MHz Materials used: same as receiver, thickness ≥ 1,5mm (enclosure and PCB)	EN 61058-1	Tested in appliance
Alternative use	Kangtai Electric Co., Ltd.	50050	12VDC 433.92MHz Materials used: same as receiver, thickness ≥ 1,5mm (enclosure and PCB)	EN 61058-1	Tested in appliance
Alternative use	Kangtai Electric Co., Ltd.	50067	3VDC 433.92MHz Materials used: same as receiver, thickness ≥ 1,5mm (enclosure and PCB)	EN 61058-1	Tested in appliance
Alternative use	Kangtai Electric Co., Ltd.	50074	3VDC 433.92MHz Materials used: same as receiver, thickness ≥ 1,5mm (enclosure and PCB)	EN 61058-1	Tested in appliance
Alternative use	Kangtai Electric Co., Ltd.	50075	3VDC 433.92MHz Materials used: same as receiver, thickness ≥ 1,5mm (enclosure and PCB)	EN 61058-1	Tested in appliance
Alternative use	Kangtai Electric Co., Ltd.	50080	3VDC 433.92MHz Materials used: same as receiver, thickness ≥ 1,5mm (enclosure and PCB)	EN 61058-1	Tested in appliance
Alternative use	Kangtai Electric Co., Ltd.	50088	3VDC 433.92MHz Materials used: same as receiver, thickness ≥ 1,5mm (enclosure and PCB)	EN 61058-1	Tested in appliance

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Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Alternative use	Kangtai Electric Co., Ltd.	50089	3VDC 433.92MHz Materials used: same as receiver, thickness ≥ 1,5mm (enclosure and PCB)	EN 61058-1	Tested in appliance
Alternative use	Kangtai Electric Co., Ltd.	50092	3VDC 433.92MHz Materials used: same as receiver, thickness ≥ 1,5mm (enclosure and PCB)	EN 61058-1	Tested in appliance

¹⁾ An asterisk indicates a mark which assures the agreed level of surveillance.

Modification Summary

The following changes have been made to this CDF:

Date	Local Project no.	Description of Change
None	None	None

Signed

M. Eng Gary Hu

Date 2017-04-20