


# Test Verification of Conformity

Verification Number: 220500381SHA-V1

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>. This verification replaces previous verification number 210201477SHA-V1 dated 21 May, 2021.

Once compliance with all product relevant  mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	Zhejiang Shuangyang Group Co., Ltd. No.444, Sanbei West Road, Shiye Village, Guanhaiwei Town, Cixi City, Ningbo, Zhejiang 315315, P. R. China
Manufacturing site Name & Address:	Same as applicant
Product Description:	Mechanical plug-in time switch
Ratings & Principle Characteristics:	230V~ 50Hz 16(2)A Max.3680W, Class I, IP20, 5000 cycles (M, A), For resistive or inductive load, 1B.R, Pollution degree 2, PTI 175, Micro-disconnection, With adaptor rated 16/250~, which complies with DIN 49440-1 socket / DIN 49441-R1
Models/Type References:	TS-MD1, TS-MD2, TS-MD3, TS-MD9, TS-MD20, TS-WD1, TS-WD3
Brand Name(s):	<b>SOYANG (logo)</b>
Standard(s)/Directive(s):	Low Voltage Directive 2014/35/EU
Verification Issuing Office Name & Address:	Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Date of Tests:	2022-05-10 to 2022-05-13
Test Report Number(s):	210201477SHA-001, 210201477SHA-001+A1, 180300930SHA-002, 180300930SHA-002+A1, 180300930SHA-002+A2



Signature

**Name: Oliver Wei**  
**Position: Manager**  
**Date: 06 June 2022**

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# Test Verification of Conformity

Verification Number: 220500381SHA-V2

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. This verification is part of the full test report<s> and should be read in conjunction with it <them>. This verification replaces previous verification number 210201477SHA-V2 dated 21 May, 2021.

Applicant Name & Address:	Zhejiang Shuangyang Group Co., Ltd. No.444, Sanbei West Road, Shiye Village, Guanhaiwei Town, Cixi City, Ningbo, Zhejiang 315315, P. R. China
Manufacturing site Name & Address:	Same as applicant
Product Description:	Mechanical plug-in time switch
Ratings & Principle Characteristics:	230V~ 50Hz 16(2)A Max.3680W, Class I, IP20, 5000 cycles (M, A), For resistive or inductive load, 1B.R, Pollution degree 2, PTI 175, Micro-disconnection, With adaptor rated 16/250~, which complies with DIN 49440-1 socket / DIN 49441-R1 plug, with shutters.
Models/Type References:	TS-MD1, TS-MD2, TS-MD3, TS-MD9, TS-MD20, TS-WD1, TS-WD3
Brand Name<s>:	<b>SOYANG (logo)</b>
Specification<s>/Standard<s> >:	EN 60730-1:2016+A1:2019 EN IEC 60730-2-7:2020 DIN VDE 0620-1: 2016 + A1: 17 DIN VDE 0620-2-1: 2016 + A1: 17 + EK1 510-11: 2011+ EK1 702-20 Rev.1 Sub-cl.10.5 of DIN VDE 0620-2-1:2021 (PAH Requirement for GS) AfPS GS 2019:01 PAK
Verification Issuing Office Name & Address:	Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Date of Tests:	2022-05-10 to 2022-05-13
Test Report Number<s>:	210201477SHA-001, 210201477SHA-001+A1, 180300930SHA-002, 180300930SHA-002+A1, 180300930SHA-002+A2



Signature

**Name: Oliver Wei**  
**Position: Manager**  
**Date: 06 June 2022**

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## CERTIFICATE

PRÜFBESCHEINIGUNG NACH DEM PRODUKTSICHERHEITSGESETZ  
(TEST CERTIFICATE IN COMPLIANCE WITH THE PRODUCT SAFETY LAW)

Bescheinigungs-Nr. (Certificate No.): 18SHN1566-02

Gültig bis (valid until): 2026-01-01

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. Die Kennzeichnungspflichten des Produktes gemäß §6 ProdSG sind einzuhalten.

(The product is in compliance with the judicial requirements of the Product Safety Law (ProdSG) § 21 (1) and the currently accepted rules of technology. The marking requirements of the product based on §6 ProdSG have to be observed)

Bescheinigungsinhaber  
(Certificate Holder)

Zhejiang Shuangyang Group Co., Ltd.  
No.444, Sanbei West Road, Shiye Village, Guanhaiwei Town, Cixi City  
Ningbo, Zhejiang 315315  
P. R. China

Markenname (Brandname)

SOYANG (logo)

Fertigungsstätte  
(Manufacturing Site)

Zhejiang Shuangyang Group Co., Ltd.  
No.444, Sanbei West Road, Shiye Village, Guanhaiwei Town, Cixi City  
Ningbo, Zhejiang 315315  
P. R. China

Produkt  
(Product)

Zwischenstecker mit elektromechanischer Zeitschaltuhr  
Time switch, electromechanical with plug and socket outlet  
(Mechanical plug-in time switch)

Typbezeichnung  
(Type)

TS-MD1, TS-MD2, TS-MD3, TS-MD9, TS-MD20, TS-WD1, TS-WD3

Beschreibung  
(Description)

230V~, 50Hz, 16(2)A, Schutzklasse I (Class I), IP20,

Prüfbericht-Nr.  
(Test Report No.)

180300930SHA-002:2018-10-29  
210201477SHA-001:2021-05-14  
Einzelheiten siehe Anhang (Details see attachment)

Geprüft nach  
(Tested according to)

DIN VDE 0620-1:2016+A1:17  
DIN VDE 0620-2-1:2016+A1:17+EK1 510-11:2011  
PAK-Anforderung für GS (PAH requirement for GS) AfPS GS 2019:01 PAK  
EN 60730-1:2016+A1:2019  
EN IEC 60730-2-7:2020  
EK1 702-20 Rev.1:2020  
DIN VDE 0620-2-1:2021 Abschnitt / Clause 10.5

Ersetzt Zertifikat (Replaces certificate) 18SHN1566-01



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Dem Zertifikat liegen die Allgemeinen Geschäftsbedingungen der Intertek Deutschland GmbH zu Grunde.  
The General Business Conditions of Intertek Deutschland GmbH is an integral part of this certificate.

Intertek Deutschland GmbH, Stangenstraße 1, 70771 Leinfelden-Echterdingen  
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## Hinweise

Der Bescheinigungsinhaber bzw. sein für die Herstellung Verantwortlicher verpflichtet sich, sein Produkt in Übereinstimmung mit dem geprüften Baumuster herzustellen, die Festlegungen zur Bereitstellung von Produkten auf dem Markt nach § 3 und § 6 ProdSG einzuhalten und Intertek Kontrollmaßnahmen zur Überwachung der Herstellung und rechtmäßigen Verwendung des GS-Zeichens nach § 22 Abs. 1 ProdSG zu ermöglichen. Am Produkt oder in der zugehörigen Dokumentation sind der Name und die Kontaktanschrift des Herstellers oder – sofern dieser nicht im europäischen Wirtschaftsraum ansässig ist – des Bevollmächtigten oder des Einführers in den europäischen Wirtschaftsraum gemäß § 6 Abs. 1 Ziff. 2 ProdSG anzugeben. Diese Baumusterprüfbescheinigung berechtigt den Bescheinigungsinhaber alle mit dem oben bezeichneten Baumuster identischen Geräte mit dem abgebildeten GS Zeichen zu versehen.

Die Bescheinigung wird ungültig, wenn der Inhaber seinen oben genannten Verpflichtungen nicht nachkommt oder sich die Voraussetzungen nach § 21 des ProdSG geändert haben.

Diese Bescheinigung ist nur für den Gebrauch durch Intertek-Kunden bestimmt und wird gemäß der vertraglichen Vereinbarung zur Verfügung gestellt. Intertek übernimmt keine Haftung zu jedweder Partei außer gegenüber dem Kunden gemäß vertraglicher Vereinbarung für irgendeinen Verlust, Unkosten oder Beschädigung, die durch den Gebrauch dieser Bescheinigung verursacht werden. Nur der Kunde ist autorisiert, diese Bescheinigung zu kopieren oder zu verteilen und dann nur in ihrer Gesamtheit. Die Benutzung des Intertek-Prüfzeichens ist an die vertraglichen Vereinbarungen gebunden. Jegliche weitere Verwendung des Intertek-Namens zum Zwecke des Verkaufs oder der Bewerbung des geprüften Materials, Produktes oder des Services bedarf einer vorherigen schriftlichen Genehmigung durch Intertek. Erst- und Folgebesichtigungen der Fertigung dienen der Sicherstellung der vertraglich vereinbarten Prüfzeichenbenutzung und dienen nicht dem Zweck einer vollständigen Kontrolle der Produktionsqualität gemäß der Herstellerverantwortung und sie entbinden nicht den Kunden von seinen Verpflichtungen.

## Notes

The certificate holder or his designated representative commit themselves to manufacture the product in accordance with the tested samples to meet the requirements on providing products in the market according to § 3 and § 6 ProdSG and to enable Intertek to monitor the manufacturing process and the lawful use of the GS certification according to § 22 Para 1 ProdSG. The name and the contact address of the manufacturer or – if the manufacturer is not based in the European Economic Area – of the Importer to the European Economic Area or his representative have to be applied at the product or the documentation according to § 6 (1) 2. ProdSG. This type examination certificate entitles he certificate holder to mark all devices that are identical to the above-designated sample with the logo as shown below.

This certificate becomes invalid if the holder does not meet the commitments described above or the requirements according to § 21 of the ProdSG are changed.

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the certification agreement between Intertek and its client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this certificate. Only the Client is authorized to permit copying or distribution of this certificate and then only in its entirety. Use of Intertek's certification mark is restricted to the conditions laid out in the agreement. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the certification mark in accordance with the agreement, they are not for the purposes of complete production quality control in the manufacturers responsibility and do not relieve the Client of their obligations in this respect.



Attachment to Certificate No.: 18SHN1566-02

## Constructional Data Form (CDF)

<i>Certificate Holder:</i>	Zhejiang Shuangyang Group Co., Ltd. No.444, Sanbei West Road, Shiye Village, Guanhaiwei Town, Cixi City Ningbo, Zhejiang 315315 P. R. China
<i>Manufacturing Site:</i>	Zhejiang Shuangyang Group Co., Ltd. No.444, Sanbei West Road, Shiye Village, Guanhaiwei Town, Cixi City Ningbo, Zhejiang 315315 P. R. China
<i>Product: (in German)</i>	Zwischenstecker mit elektromechanischer Zeitschaltuhr
<i>Product: (in English)</i>	Time switch, electromechanical with plug and socket outlet (Mechanical plug-in time switch)
<i>Type:</i>	TS-MD1, TS-MD2, TS-MD3, TS-MD9, TS-MD20, TS-WD1, TS-WD3
<i>Brandname:</i>	SOYANG (logo)
<i>Description:</i>	230V~, 50Hz, 16(2)A, Class I, IP20
<i>Test Report No.:</i>	180300930SHA-002:2018-10-29 180300930SHA-002+A1:2021-05-14 210201477SHA-001:2021-05-14
<i>Tested according to:</i>	DIN VDE 0620-1:2016+A1:17 DIN VDE 0620-2-1:2016+A1:17+EK1 510-11:2011 PAK-Anforderung für GS (PAH requirement for GS) AfPS GS 2019:01 PAK EN 60730-1:2016+A1:2019 EN IEC 60730-2-7:2020 EK1 702-20 Rev.1:2020 DIN VDE 0620-2-1:2021 Abschnitt / Clause 10.5
<i>Valid until:</i>	2026-01-01
<i>Issued on:</i>	2021-05-20

Attachment to Certificate No.: 18SHN1566-02

**Product Information:**

**General product information**

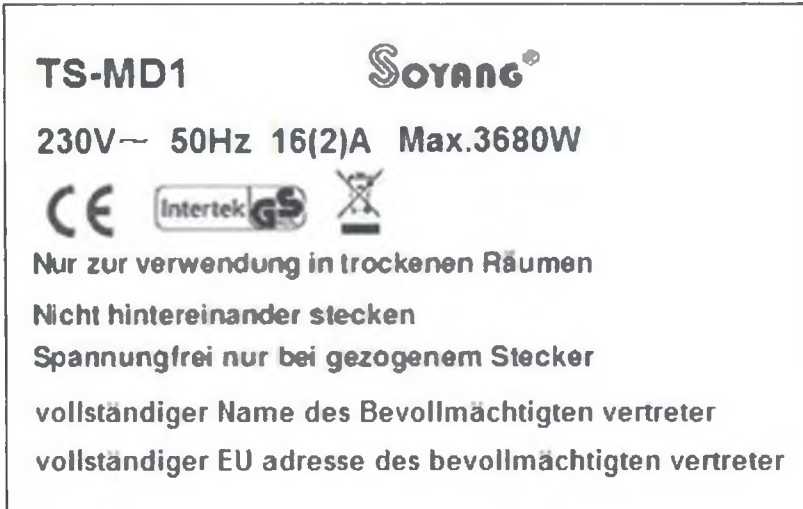
The products are seven mechanical plug-in time switches.

230V~ 50Hz 16(2)A, Class I, IP20, 5000 cycles (M, A), For resistive or inductive load, 1B.R, Pollution degree 2, PTI 175, Micro-disconnection, With adaptor rated 16/250~, which complies with DIN 49440-1 socket / DIN 49441-R1 plug, with shutters.

24h timer type : TS-MD1, TS-MD2, TS-MD3, TS-MD9, TS-MD20

weekly timer type: TS-WD1, TS-WD3

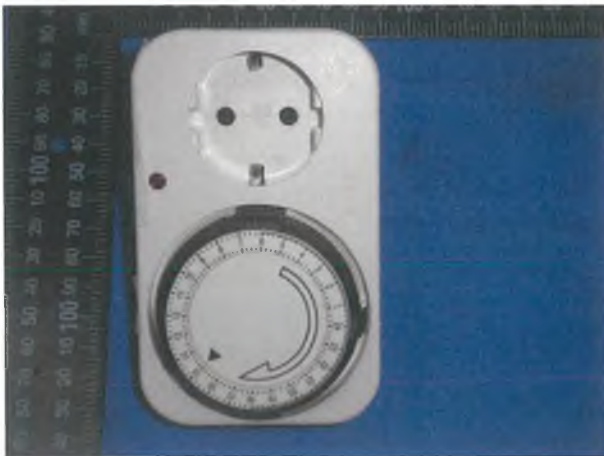
**Copy of marking plate**



Note: other models have same marking format as TS-MD1 except for type designation.

**Product Pictures**

Model No.: TS-MD1

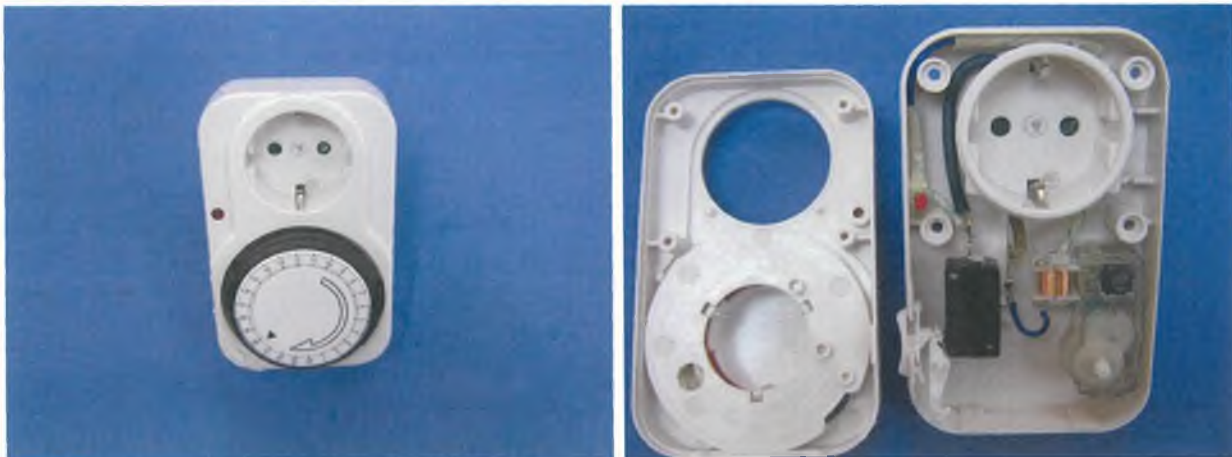


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**Model No.: TS-MD2**



**Model No.: TS-MD3**



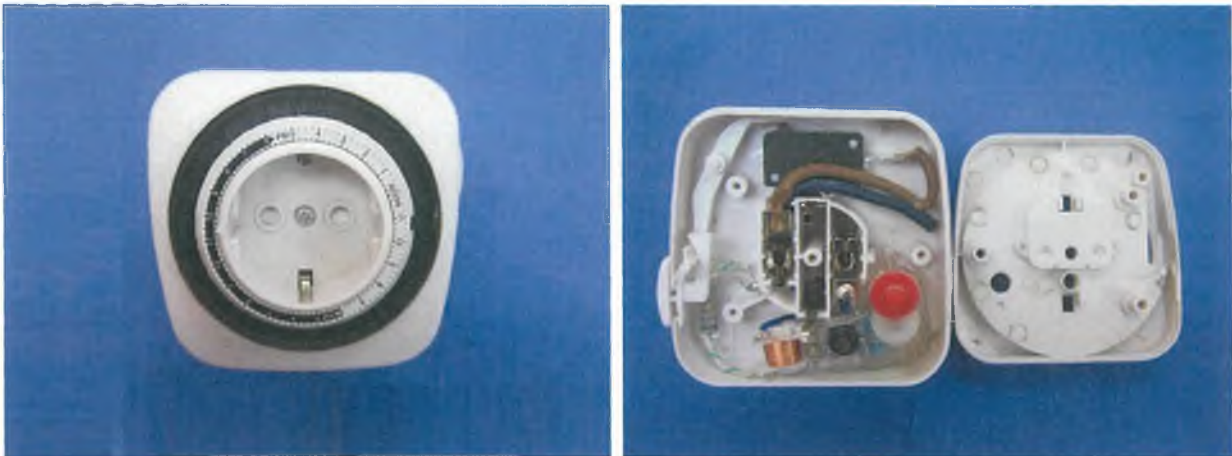
**Model No.: TS-MD9**



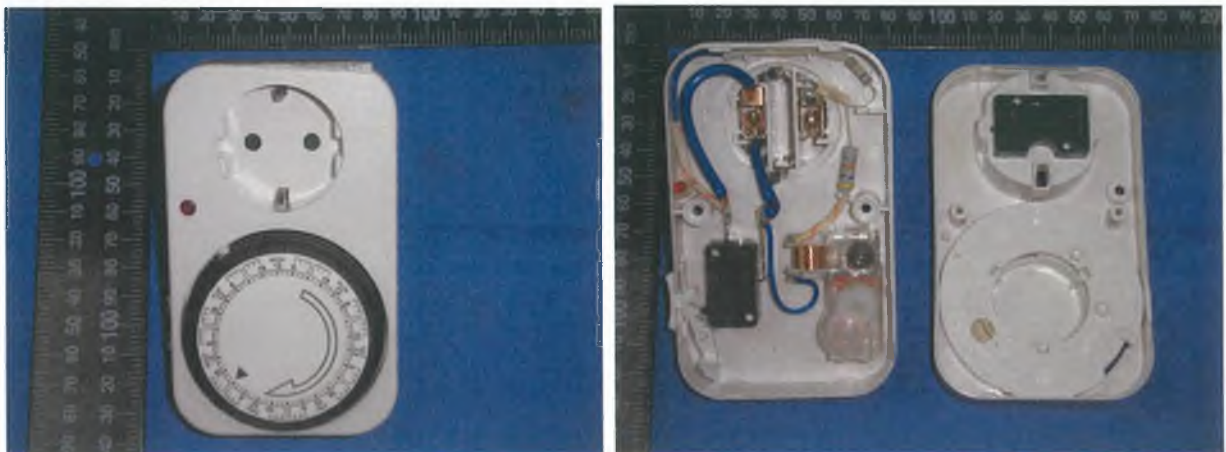


Attachment to Certificate No.: 18SHN1566-02

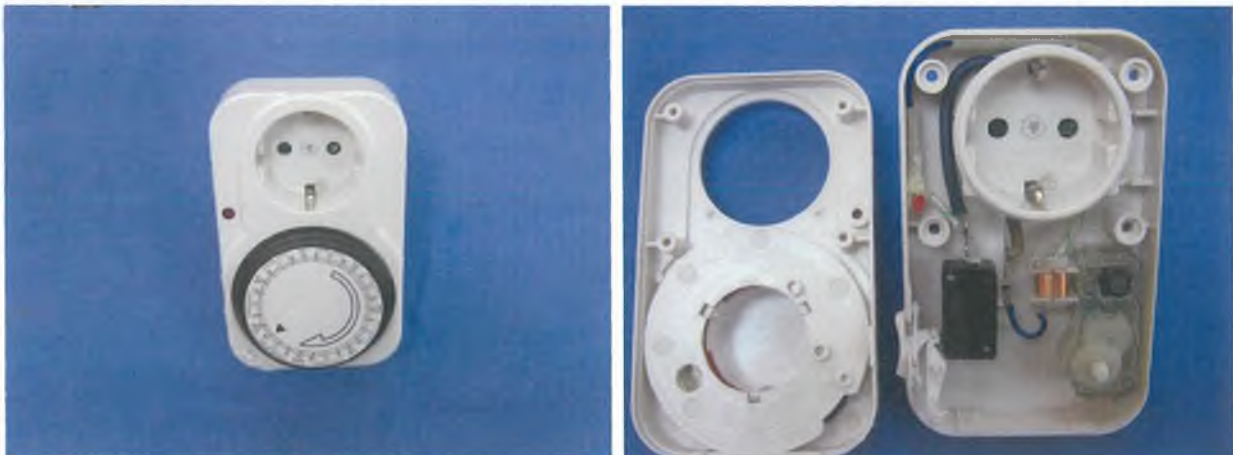
**Model No.: TS-MD20**



**Model No.: TS-WD1**



**Model No.: TS-WD3**





Attachment to Certificate No.: 18SHN1566-02

**Close-up view of assembly screw**



**List of Critical Components**

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity <sup>1)</sup>
Micro-gap switch	Zhejiang Shuangyang group Co., Ltd.	SYK-8	16(4)A 250V~ 1E4	EN IEC 61058-1 EN 61058-1-1	S-mark No: 2002925
Internal wire (for TS-MD1, TS-MD20, TS-MD3, TS-WD1, TS-WD3)	Zhejiang Shuangyang Group Co., Ltd.	-	Measured 2,0 mm <sup>2</sup> , PVC sheathed	EN 60730-1 EN IEC 60730-2-7 DIN VDE 0620-1 DIN VDE 0620-2-1	Test in appliance
Shutter body and box	Idemitsu Kosan Co., Ltd.	PC, (#)2200+(f2)	Thickness≥1,0 mm UL file no.: E48268	EN 60730-1 EN IEC 60730-2-7 DIN VDE 0620-1 DIN VDE 0620-2-1 AfPS GS 2019:01 PAK	Test in appliance
Enclosure	Idemitsu Kosan Co., Ltd.	PC, (#)2200+(f2)	All color, Thickness≥1,5 mm UL file no.: E48268	EN 60730-1 EN IEC 60730-2-7 DIN VDE 0620-1 DIN VDE 0620-2-1 AfPS GS 2019:01 PAK	Test in appliance

<sup>1)</sup> An asterisk indicates a mark which assures the agreed level of surveillance.

Attachment to Certificate No.: 18SHN1566-02

**Modification Summary**

The following changes have been made to this CDF:

Date	Local Project no.	Description of Change
2021-05-14	210201477SHA	1. Update the standard EN 60730-1 from "EN 60730-1: 2000 + A12: 2003 + A1: 2004 + A13: 2004 + A14: 2005 + A16: 2007 + A2: 2008" to "EN 60730-1:2016+A1:2019". 2. Update the standard EN 60730-2-7 from "EN 60730-2-7: 2010" to "EN IEC 60730-2-7:2020". 3. Update PAH from "AfPS GS 2014:01 PAK" to "AfPS GS 2019:01 PAK". 4. Add EK1 702-20 Rev.1. 5. Change assembly screw to "one-way type" and add photos in item 4.3. 6. Add additional testing based on sub-cl.10.5 of DIN VDE 0620-2-1:2021. 7. Update the address of "Zhejiang Shuangyang Group Co., Ltd." from "Wuli Guanhaiwei, Cixi, Ningbo, Zhejiang 315315 P.R.China" to "No.444, Sanbei West Road, Shiye Village, Guanhaiwei Town, Cixi City, Ningbo, Zhejiang 315315, P. R. China". 8. Reformat copy of marking plate in item 4.2. 9. Update standard and Mark(s) of conformity for micro gap switch.

This CDF replaces previously issued CDF dated 2018-11-09.

Signed



Date 2021-05-20