



Certificate of Compliance

Certificate: 1665236 (LR 45128)

Master Contract: 170255

Project: 1665236

Date Issued: 2005/06/09

Issued to: Shin Chin Industrial Company Ltd.

No 128 Cheng Pei 1st Rd
Yung Kang City
Tainan Hsien,
Taiwan
Attention: Mr. Vincent Tsai

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'



Issued by: John Lam, C.E.T.

Authorized by: Nick Alfano, Operations Manager

PRODUCTS

CLASS 6241 90 - SWITCHES - Snap - Special Use - Certified to US Standards

CLASS 6241 10 - SWITCHES - Snap - Special Use

Special use rocker switches, open type, Illuminated or non-illuminated, as follows:

Cat No. R13-278 followed by A, B, BF, C, D, E, F, G, H or I, followed by 02, 09, 10 or 12, rated 16A, 125V ac, 10A, 250V ac, T85.

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.



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Cat No. R13-1278 followed by A, B, C, F or BF, followed by 02, rated 16A, 125V ac, 10A, 250V ac, ½ Hp, 125/250V ac, 10A, 28V dc, 6A, 14VT, T85

Note: Open type devices are Certified as components for use only in other Certified equipment where the suitability of the combination is to be determined by the CSA International.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-M91 - General Requirements - Canadian Electrical Code, Part II

CSA Std C22.2 No. 55-M1986 - Special Use Switches

UL Std No. 1054, Sixth Ed. 1995 - Special-Use Switches

ZEICHENGENEHMIGUNG MARKS APPROVAL

Shin Chin Industrial
Co., Ltd.
No. 128 Cheng Pei 1st Rd.
710 YUNG KANG CITY, TAINAN HSIEN
TAIWAN

ist berechtigt, für ihr Produkt /
is authorized to use for their product

Geräteschalter
Switch for appliances

die hier abgebildeten markenrechtlich geschützten Zeichen
für die ab Blatt 2 aufgeführten Typen zu benutzen /
the legally protected Marks as shown below for the types referred to on page 2 ff.



Geprüft und zertifiziert nach /
Tested and certified according to

DIN EN 61058-1 (VDE 0630-1):2008-09; EN 61058-1:2002 + A2:2008
IEC 61058-1ed.3);am1;am2



Aktenzeichen: 1103700-4401-0027 / 181970

File ref.:

Ausweis-Nr. 40023665

Blatt 1

Certificate No.

Page

Weitere Bedingungen siehe Rückseite und Folgeblätter /
further conditions see overleaf and following pages

Offenbach, 2008-03-10

(letzte Änderung/updated 2013-06-12)

<http://www.vde.com/zertifikat>

<http://www.vde.com/certificate>

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierungsstelle / Certification

Dr. Schipper

VDE Zertifikate sind nur gültig bei Veröffentlichung unter:
VDE certificates are valid only when published on:

VDE



Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*

Shin Chin Industrial Co., Ltd., No. 128 Cheng Pei 1st Rd., 710 YUNG KANG CITY, TAINAN HSIEN, TAIWAN

Aktenzeichen / *File ref.*

1103700-4401-0027 / 181970 / CC1 / LF 2013-06-12

letzte Änderung / *updated*

2008-03-10

Datum / *Date*

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40023665.

This supplement is only valid in conjunction with page 1 of the Certificate No. 40023665.

Geräteschalter *Switch for appliances*

Typ(en) / *Type(s)*

Serie R13-278

Bemessungsspannung
Rated voltage

AC 250 V

Bemessungsstrom
Rated current

10(4) A

Art und Anschluss von Schaltern

Wippenschalter, Kode 1.2 wahlweise mit Leuchtsignal;
Kode 2.3; 3.3

Type and connection of switches

*Rocker switch, code 1.2 optional with signal lamp;
code 2.3; 3.3*

Abschaltung
Disconnection

Mikroabschaltung
Micro disconnection

Schaltzyklen
Number of operating cycles

10E3

Umgebungs-Lufttemperatur
Ambient air temperature

25T85/55

Art der Montage
Method of mounting

Zum Einbau in Geräte der Schutzklasse II
Incorporation in class II equipment

Art der Betätigung
Method of actuating

Direkte Betätigung
Direct actuating

Schutzgrad durch Gehäuse
Degree of protect. provided by enclosure

IP 40 nach entsprechendem Einbau
IP 40 after appropriate incorporation

Schalter der Kategorie
Switch category

3

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Glühdrahtprüfung (GWT) <i>Glow-wire test (GWT)</i>	850 °C
Kriechstromfestigkeit <i>Tracking resistance</i>	PTI 175
Anschluss <i>Type of terminal</i>	PCB Anschluss, Flachstecker 4,8 x 0,8 mm nur als Lötanschluss zu verwenden <i>PCB terminals, tabs 4,8 x 0,8 mm only for soldering</i>
Überspannungskategorie <i>Overvoltage category</i>	II
Verschmutzungsgrad <i>Degree of pollution</i>	1. Nur geeignet zum Einbau in Umgebungsbedingungen mit Verschmutzungsgrad 1 <i>1. Only suitable for incorporation in ambient conditions with degree of pollution 1</i>
Werkstoffgruppe <i>Material group</i>	IIIa
Weitere Angaben siehe Anlage <i>Further information see appendix</i>	1 + 2
Warenzeicheninhaber <i>Trademark holder</i>	Shin Chin Industrial Co., Ltd.
Anmerkung <i>Remark</i>	Die Luft- und Kriechstrecken zwischen unter Spannung stehenden Teilen und dem Betätiger: Verstärkte Isolierung. <i>The clearances and creepage distances between live parts and the actuating mean: Reinforced insulation.</i>

File E67774
Project 07CA05368

March 21, 2007

REPORT

On

SWITCHES, SPECIAL USE - COMPONENT

SHIN CHIN INDUSTRIAL CO LTD
Tainan Taiwan

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PRODUCT COVERED:

USR, CNR Component, Special-Use Switches: Rocker Switches

USR - Indicates Investigated To United States National Standard UL 1054 (6th edition)- Recognized

CNR - Indicates Investigated To Canadian National Standard C22.2 No. 55-M1986 (3rd edition) - Certified as component.

Model	Amp	Volt	Hz	Load	Temp C	Pol/ Thr	PP/ Circuit	Endur	SPCOA
R13-1278 Series *	16/10	125/250 V ac	60	Gen	85	1/1 or 1/2	--/A	6K	2
	1/2 hp	125 V ac							
	1/2 hp	250 V ac							
R13-278 Series	16/10	125/250 V ac	60	Gen	85	1/1 or 1/2	--/A	6K	2
	1/2 hp	125 V ac							
	1/2 hp	250 V ac							
	10	28 V dc							

NOMENCLATURE:

See ILL.1 and ILL.3 for detailed information.

EXPLANATION OF PRODUCT COVERED TABLE:

Abbreviations	Explanation of use
f/b	- Followed by
ww/o	- With or without
Load	- Res - Resistive (PF=1.0 - 0.98) Gen - General use (PF= 0.75 -0.8) hp - Horse Power (LRA, FLA) T - Lamp load (AC or DC) L - Lamp load (AC only) TV - Televisions Rated
POL/THR	- No. Of Poles/No. Of Throws.
"M"	- Multi-Throw. For Multi-Pole or Multi-Throw, e.g. 2/M indicates 2 Pole,
Circuit	- The test and suitable use circuit are indicated in this column in code form. The corresponding circuits are given in the Section General or LIS guide page.
PP	- "PP" stands for Per Pole. PP in this column indicates that each pole is capable of switching the rated current.
ENDUR	- Endurance rating.
SPCOA	- Special conditions of Acceptability; the applicable special COAS are indicated in this column in number form. The corresponding COAS are given in the Section General or LIS guide page.