

CE-LVD TEST REPORT

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Adjustable Voltage Protector

KE-V008, KE-V009, V008, V009, PROTECTOR DE VOLTAGE, Model No.:

VT-PRT-04, GSM-N6793, VT-PRT-03, POWER PLUG PROTECTOR, PROTCETOR DE VOLTAJE, QPN-12-3,

WASHERS & SMALL APPLIANCES, GSM-MP120E, VOLTAGE &ELECTRONIC SURGE PROTECTOR, BX-V008, BX-V009, N004, N01R-PTNU-1, R-PTNU-2, PCHM-MR220, PCHM-MP120, EW-V009-120, KL-1191-1, KL-1191-2, VOTECTOR DE VOLTAJE

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EQUIPOS ELECTRONICOS

Wenzhou Zhongzhe Electric Co., LTD Applicant:

The Nanivao village, Liushi town, Yueqing, Wenzhou City,

Zhejiang

Manufacturer:

The Nanivao village, Liushi town, Yueqing, Wenzhou City, Zhejiang

Shenzhen KES Testing & Certfication Co., Ltd. Issued By:

> Room 405, Floor 4th, Building C, Yuxing Technology Industrial Park, Xixiang Street, Bao' An District, Shenzhen,

Guangdong, China

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Report Number: 00440KES0040S

Issued Date: January 16, 2024

Date of Report: January 16, 2024

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TEST REPORT EN 60947-5-1

Low-voltage switchgear and controlgear -Part 5-1: Control circuit devices and switching elements -Electromechanical control circuit devices

Electron	nechanical control circuit devices
Report reference No:	00440KES0040S
Testing laboratory:	Shenzhen KES Testing & Certfication Co., Ltd.
Location:	Room 405, Floor 4th, Building C, Yuxing Technology Industrial Park, Xixiang Street, Bao 'An District, Shenzhen, Guangdong, China
Applicant:	Wenzhou Zhongzhe Electric Co., LTD
Address::	The Nanlvao village, Liushi town, Yueqing, Wenzhou City, Zhejiang
Manufacturer:	Wenzhou Zhongzhe Electric Co., LTD
Address:	The Nanlvao village, Liushi town, Yueqing, Wenzhou City, Zhejiang
Standards:	EN 60947-5-1: 2017 EN IEC 60947-1: 2021
Procedure deviation:	N/A S NO S
Non-standard test method	N/A W 109
Type of test equipment:	Adjustable Voltage Protector
Trade mark:	N/A W 05
Model/Type designation:	KE-V008, KE-V009, V008, V009, PROTECTOR DE VOLTAGE, VT-PRT-04, GSM-N6793, VT-PRT-03, POWER PLUG PROTECTOR, PROTCETOR DE VOLTAJE, QPN-12-3, WASHERS & SMALL APPLIANCES, GSM-MP120E, VOLTAGE &ELECTRONIC SURGE PROTECTOR, BX-V008, BX-V009, N004, N01R-PTNU-1, R-PTNU-2, PCHM-MR220, PCHM-MP120, EW-V009-120, KL-1191-1, KL-1191-2, VOTECTOR DE VOLTAJE EQUIPOS ELECTRONICOS
Rating:	AC 120-220V, 50/60Hz, 12A
TRF originator:	Shenzhen KES Testing & Certfication Co., Ltd.
Copyright blank test report:	Shenzhen KES Testing & Certfication Co., Ltd.
Test item particulars:	103 05 ues 05 ues
Operating Condition	Continuous
Class of equipment	Nos Nes of Me & Me
0.2	- UP 6 02 6

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6 Wes	We wes	G he	1,05	Wes	09	,
Possible test case verd test case does not apply	6	N(/A.)	Vi-	05	V	1/4
14 15	W	P(ass)	05	14.00	,6	- 7
test object does meet the	, , , , , , , , , , , , , , , , , , ,	0.2	14.00	0,5	160-	
test object does not mee	t the requirement	F(ail)	V	1,09		V
Name and address of th	no tooting laborator	w 6 W	1,05	C VV	0,5	
Name and address of the		y . en KES Testing	& Certfication	n Co. Ltd.	V	4.6
Wes 2	. V/-	05, Floor 4th, B			oav Indu	stri
S We a	Park, Xix	kiang Street, Ba				
is he	China	Me G	V	000	No.	1/4
W 05	Me of	Wes	.6	M	.6	V
5 h	Henry 1	on 5	Mes	05	Wes	
Tested by :	09 //	.6	January	14, 2024		V
6 W 1,05	Signature	V.	,5 Da		05	
D Vi	, W	1,05	Mo	0,5	Me	
1105 M	Henry Tian / Eng		V	1,05		1
5 400	Name/title	G W	1,05	C. VV	Wes	
6 40	1. 1. 16	1	V-	000	5	
Witnessed by:	w Jer in	1,05	lanuary	16, 2024	V	n Oi
Withessed by.	Signature	-6	Da		05	
as we	,6	We S	V-	VI.	M	. (
We of	Jet Chen / project E		05	1.05	6	W
5 he	Name/title	05	, VI	M	Mes	
05 h	sting&Certis	1,0	1,09	.6	4	1/4
6 W 105	5785	Carried &	W	nes	0.5	
Approved by :	& Cuml	2	Januar	y 16, 2024	M	
Approved by .	Signature of	130	<u>Janual</u> D	<u>y 16, 2024</u> ate		0
5 W 165	第	Mes	9	Mo	1	
1.00	Kevin Liu / Manag	ger	W. C	5	.05	
0.3	Name/title	.6	W	\		- 0

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General remarks:

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(see remark #)" refers to a remark appended to the

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"(see appended table)" refers to a table appended to the report.

Throughout this report a comma is used as the decimal separator.

The test results presented in this report relate only to the object tested.

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Unless otherwise specified, test are made under normal conditions at an ambient temperature within the range of 15° C to 35° C, RH45% to 75% and an air pressure of 860mbar of 1060mbar

Attachment with:

WG2,

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1) Photo documentation

Note: Due to similarity of the rating labels, only above label is listed.

Adjustable Voltage Protector

Model: KE-V008

Rating: AC 120-220V, 50/60Hz, 12A

Wenzhou Zhongzhe Electric Co., LTD

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Cla	use	Requirement –	Test	405		Me	Result	-	W- 0	Verdict
	1,05	Me	05		EN 6094	17-5-1	,	Mo	0,5	Wes
0,5		wes as	Mo	Mes	05	Mes	nes	Report	No.: 00440	KES0040S
KE	25	hes	05	V	nes	Shenz	hen KES	Testing	& Certfication	on Co., Ltd.
,0-	Mos	11.05	Mes	0,5	VV-	wes	05	M	Wes .	S
05	6	1,05	**	Mes	1,05	V-	Mes	1.05	W6	,5

6	1103	14.0	P 6	V	1,09
3	Classification □ □	0.00	,		
3.1	Contact elements	W.	5	We.	Р
. 09	Contact elements may be classified as follows:	W	05		1P
GW	a) Utilization categories (see 4.4).	05	C VI	. 0,	Р
0.5	b) Electrical ratings based on utilization categories (see Annex A).	W	20,5	W	Р
G W	c) One of the following form letters (see Figure 4):	0,5	M	0.5	P
5	1) Form A - Single gap make-contact element;	16	5	M	P05
Mes	2) Form B - Single gap break-contact element;	6	nes		Р
5	3) Form C - Single gap make-break three terminal change-over contact element;	Wen We	,5	Mes	Pos
GW	4) Form X - Double gap make-contact element;	.05	Mo	00	P
5	5) Form Y - Double gap break-contact element;	140	9	W	P/L
G hes	6) Form Z - Double gap make-break four terminal	0.5	No	1/4	9 P
17	change-over contact element.	W W	,5	5	6
400	d) Other types not included in c).	\v	Me	,	W CP
3.2	Control switches	1,05	0,5	05	Р
,9	Control switches may be classified according to	,		M	PS
Mo	the contact element and the nature of the	1,05	1,05	.6	VI-
25	actuating system, e.g. push-buttons, form X.	VV	An	W.	-6
3.3	Control circuit devices	1603	05		W
9	Control circuit devices may be classified according	,6	M	140	Р
,6	to the control switch and the associated control	1,05	.6	V	-G VI
Mo	circuit equipment, e.g. push-buttons plus indicator	C. VI	Mes		MO
5	lights.	400	6	09	1
3.4	Time delay switching elements	Mo		1	P
5	Distinction is made according to how the time delay of a switching element is achieved,	nes	nes	,6	Р
1,05	e.g.electrical delay, magnetic delay, mechanical delay, or pneumatic delay.	05	. 1	10-	1,05
3.5	Control switch mounting	G We	.05	6	P. O.
160	The control switch mounting may be classified by	103	W.	nes	Р
05	the mounting hole size, e.g. D12, D16, D22,D30	Mes	1,05	16	10
res	(see 6.3.1).	05	V.	5	W
4	Characteristics				
		7			4.7



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25 05	hes hes hes hes	Mes	wes	s he.	nes
res	wes wes wes wes shenzh	nen KES	Testing	& Certfication	n Co., Ltd.
16	nes he ses he	05		t No.: 00440K	
05	EN 60947-5-1	W	105	- S W	1,05
Clause	Requirement – Test	Result	W-	400	Verdict
4.1	Summary of characteristics	10.3	0,5	W6	D16
4.1.1	General		1	1,09	P
9	The characteristics of control circuit devices and	1,09	6	1,0	P
.6	switching elements should be stated in the	No.	Mes	·6	100
W.	following terms, where such terms are applicable:	.6	,	Mes	, ,,
9	type of equipment (see 4.2);	M	. 0,5	W.O.	P0.5
1405	rated and limiting values for switching elements		1	1,09	Р
5	(see 4.3);	1,05	6	1,0	·
.6	utilization categories of switching elements (see	W.	Mes	09	1P0-
140	4.4);	0) 09		14.00	, ,
9	normal and abnormal load characteristics (see 4.3.	6).	1.05	160.	P
4.1.2	Operation of a control switch		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1605	,
5	The principal application of a control switch is the switching of loads as indicated for the various utilization categories in Table 1.	Wes	nes	we.) P
SWES	Other applications, e.g. the switching of tungsten filament lamps, small motors, etc., are not dealt	nes	nes	hos h	S P
Mo	with in detail in this standard, but are mentioned in	,6	,	YV.	Mo
9	4.3.6.2.	M	W.O.	1,05	6
4.1.2.1	Normal conditions of use	06	,	-6	W B
5	The normal use of a control switch is to close,	Me	1	100	Р
,5	maintain and open circuits in accordance with the		05	G VI	1605
Me	utilization category shown in Table 1. Also refer to	1	L	Wes of	6
9	Table 4.	05	.6	We	V
4.1.2.2	Abnormal conditions of use		40°	09	P
5	Abnormal conditions may arise, for example,	0.5		YV-	P
.6	when an electromagnet, although energized, has	M	1,05	405	6
10	failed to close. Refer to Table 5.	-6	N.	.6	403
5	A control switch shall be able to break the current	Mes	V	25	Р
1,05	corresponding to such conditions of use.	7	05	140	1,05
4.2	Type of control circuit device or switching element	V	, o	9	P
4.2.1	Kind of control circuit device	09	V	1,00	P



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9	5 165 Nes 165	Mos	1,05	V.	Mes	0,5
We.	05 Wes 6 169	6	Nr.	Mes		M
VAC	ne os he os	Mes	05	7	nes	,6
263	Shenzi	nen KES				
,5	wes a wes a we	1,05	Repor	t No.: 00	440KE	S0040S
0	EN 60947-5-1	V-	Mes	,6	V.	1405
Clause	Requirement – Test	Result		M	260	Verdict
09	W 05 W 05	W	09	4	W	05
1,09	manual control switches, e.g. push-buttons, rotary		M	11.05		P
.5	switches, foot switches, etc.;	1,05	- 60	An	1,09	
09	electromagnetically operated control switches,	W.	Mes	05	Ve	Pos
- We	either time delayed or instantaneous, e.g.	05		M	29	,
12	contactor relays;	1/2	1,05		W.	0,5
5 Mes	pilot switches, e.g. pressure switches, temperature sensitive switches (thermostats), programmers, etc.;	05	V.	Mes	,9	P
000	position switches;	M	1,05	6	Me	P05
W.O.	associated control equipment, e.g. indicator lights,	6	Ap.	Mes		Р
9	etc.	W62	,6	y -	we?	-6
4.2.2	Kind of switching elements	,	M	0,5	V -	1P
G W	The kind of switching elements shall be stated:	0,5		V	09	Р
0	auxiliary contacts of a switching device (e.g.	M	1405	.6	M	PW
Wes	contactor, circuit breaker, etc.) which are not	6	N.	Mes	0.5	5
5	dedicated exclusively for use with the coil of that	Mes	05		W	1
0,9	device;		M	We.	2	.05
G W	interlocking contacts of enclosure doors;	.05	05	6	.6	Р
0-	control circuit contacts of rotary switches;	Vr.	Me	1	h.	PS
Mes	control circuit contacts of overload relays.	. 0,5)	0,5		P
4.2.3	Number of poles	W	\ \	1	We?	P
09	, ve	14	65	,6		Wes
6	The number of poles shall be stated.	-6		Mo	1.0	Р
4.2.4	Kind of current	10-	0,5		No	P. W
Mos	The kind of current shall be stated:		M	wes	1	WP
15	Alternating current or direct current.	400	.6	,	05	
4.2.5	Interrupting medium	A -	M	V		P
5	The interrupting medium shall be stated:	.09	44	05		Р
, 6	Air, oil, gas, vacuum, etc.	W	, V	16	05	Р
4.2.6	Operating conditions	1/4	07	.6		WP C
4.2.6.1	Method of operation	05	V	, J	05	PW
W	The method of operation shall be stated:	-	05	-G V	16	Р



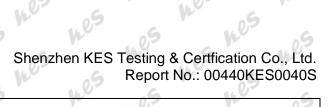
4.3.3.2

Shenzhen KES Testing & Certfication Co., Ltd.

Report No.: 00440KES0040S EN 60947-5-1 Requirement - Test Result Clause Verdict Po pneumatic, Manual, electromagnetic, electropneumatic. 4.2.6.2 Method of control The method of control shall be stated: Р automatic; P non- automatic; semi-automatic. Р Rated and limiting values for switching elements 4.3 Ρ Р General 4.3.1 The rated values established for the switching elements of a control circuit device shall be stated in accordance with 4.3.2 to 4.3.6 inclusive but it is not necessary to specify all the values listed. 4.3.2 Rated voltages (of a switching element) P 4.3.2.1 General A switching element is defined by the rated voltages described in 4.3.2.2 to 4.3.2.4. 4.3.2.2 Rated operational voltage (Ue) Subclause 4.3.1.1 of IEC 60947-1:2007 applies with the following additions: P For three-phase circuits, Ug is stated as r.m.s. voltage between phases. 4.3.2.3 Rated insulation voltage (U) Subclause 4.3.1.2 of IEC 60947-1:2007 applies. P Rated impulse withstand voltage (Uimp) 4.3.2.4 Subclause 4.3.1.3 of IEC 60947-1:2007 applies. Ρ Currents 4.3.3 A switching element is characterized by the Ρ currents described in 4.3.3.1 to 4.3.3.3. Data shall be included on the nameplate, or on the equipment, or in the 4.3.3.1 manufacturer's published literature: Conventional free air thermal current (/tn) Subclause 4.3.2.1 of IEC 60947-1:2007 applies.

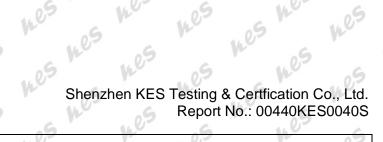
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Conventional enclosed thermal current (/the)





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0,5	EN 60947-5-1	VI.	Mes	25 W	100
Clause	Requirement – Test	Result		he ac	Verdict
09	W 05	W	. 09	W.	05
1,05	Subclause 4.3.2.2 of IEC 60947-1:2007 applies.		V	,,05	P
4.3.3.3	Rated operational current (/g)	.05	- 6	W 05	Р
wes	The first paragraph of 4.3.2.3 of IEC 60947-1:2007 applies.	W G	Wos	wes we	Pos
4.3.4	Rated frequency	Mes	,5	W.C.	P.G
.05	Subclause 4.3.3 of IEC 60947-1:2007 applies.		Wes	0,5	VP 000
4.3.5	Vacant	05		000	Р
4.3.6	Normal and abnormal load characteristics	An	1403	-G W	PUS
4.3.6.1	Rated making and breaking capacities and behav	iour of sw	vitching e	lements under	Р
15	normal conditions	Me	05	W6.	05
es wes	A switching element shall comply with both requirements given in Table 4 corresponding to the assigned utilization category and the requirements according to the rated operational	nes	nes nes	nes nes	y ves
1362	voltage. Making and breaking capacities under abnormal co	nditions	WOS	1405	08
4.3.6.2	A switching element shall comply with the requirements given in Table 5 corresponding to the assigned utilization category.	nes	, he	nes nes	P
4.3.7	Short-circuit characteristics	,	,6	W	PS
4.3.7.1	Rated conditional s hort-circuit current	V	0-	1105	VΡ
5	Subclause 4.3.6.4 of IEC 60947-1:2007 applies.	0,5	6	10	P
4.4	Utilization categories for switching elements The utilization categories as given in Table 1 are	-6	W ₀ 2	nes	P
s wes	considered standard. Any other types of application shall be based on agreement between manufacturer and user, but information given in	1.05	nes	es hes	nes
wes	the manufacturer's catalogue or tender may constitute such an agreement.	V-	25	ues wes	wes .





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nes	S Wes a wes	1,05 M	<i>y</i>
	he se hes	wes 5 405	6
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	ues he os he	Report No.: 00440KES004	
25	105 W -1125	We we we	,5
a Wos	EN 60947-5-1	Nes W	
Clause	Requirement – Test	Result Verdi	ict
4.10	Electrically separated contact elements	Nº 105 1P	5
15	The manufacturer shall state whether the contact	1109 P	
,6	elements of a control circuit device are electrically	Wes as we	25
Mos	separated or not (see 2.3.3.7). Separated contact	S Nos	
05	elements shall be assumed to be opposite polarity	he os he	5
,,05	unless otherwise stated by the manufacturer.	Nº 05 Nº	9-
4.11	Actuating quantities for pilot switches	05 W 05 P	
,5	The operating value and return value of the	Wes as I I B	25
Mos	actuating quantity are to be determined on uniform	S Nos	
05	rising values and normal falling values of the	he os he	5
1,05	actuating quantity. Unless otherwise stated, the	We los Me	
S W	rate of change shall be regular and such that the	1109	09
-6	operating (or return) value is reached in not less	Wes as I	N.
West	than 10 s.	S WOS	
5	The operating value and the return value may	We of E	1/0
1,05	both be fixed values, or one of them or both may	We Wes Wes	
15 W	be adjustable (or the differential value may be	11.05 05 05	
-6	adjustable).	W We we	ô
W.O.	Where appropriate, the manufacturer shall	105 105 6 WP	
5	indicate a withstand value, either a maximum	We Wes	6
1,05	value higher than the highest setting of the	wes as we	
S	operating value or a minimum value lower than	6 We 1609	. (
-6	the lowest setting of the return value. A withstand	05 6 W 6	W
Mes	value implies no damage to the pilot switch or no	nes nes	,
9	change in its characteristics.	09	
4.12	Pilot switches having two or more contact elements	We We B)
S	Pilot switches having two or more contact	09 09 WP	1
-6	elements which are not individually adjustable	W 1.05 19	, [
Wes	may have different operating and return values for	nes m	
5	each contact element.	05 W2 05 L	03
W6-	A pilot switch having two or more contact	NOS SWIGP	4
1.05	elements which are individually adjusted is	We was was	no
V 1	considered as a combination of pilot switches.	05 05 105 05	7
	TOTAL CONTRACTOR OF THE PARTY O	- WIT WIT . WIT	



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Report No.:	: 00440KES0040S

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	EN 60947-5-1	No 05 No	0.5
ause	Requirement – Test	Result	Verdic
· ·	03 W	0.5	
^=	Product information	VV ASS	
1 1/2	Nature of information	as here	Р
	The following information shall be given by the mar	nufacturer:	Р
2	MARKING		
2.1	Data shall be preferably marked on the equipment:	09 100	Р
6	a - manufacturer's name or trademark	See pages 1	P
Mos	b - type designation or serial number	See pages 1	Р
	Data shall be included on the nameplate, or manufacturer's published literature:	on the equipment, or in the	
1403	c - number of this standard	IEC 60947-1	Р
)	d - rated operational voltages	400	Р
nes	e - utilization category and rated operational currents, at the rated operational voltages of the control circuit device		\P
	f - rated insulation voltage:	No 105 No	P\/i
1605	g - rated impulse withstand voltage	14.05	6 P
)	h - switching overvoltages, if applicable	1109 G W	P
nes	i - IP code, in case of enclosed control circuit device	G	Mes
· ·	i nativisa de Sana	level 6	-
nes	j - pollution degree k - type and maximum ratings of short-circuit protective device	1109 09	P
)	I - conditional short-circuit current	W 100	Po
Wes	m - suitability for isolation, where applicable, with the symbol 07-13-06 of IEC 60617-7	Nes 1.05	V _P
)	n - indication of contact elements of same polarity	0.5 km	Р
2.2.05	Terminal identification and marking	(see 7.1.8.4 of IEC 60947-1)	P
, ,	Clearly and permanently identified according IEC 60445 and Annex L, unless superseded by relevant standard.	nes 05 nos	Р
1100	Neutral terminal identified by letter	N	W.P
)	Protective earth terminal identified by letter	1109 1109	Р
2205	Functional markings	6 1409	1 P
2.3,00	Actuators may be identified by symbols in the form of engravings, but if a stop button carries any symbol engraved or marked this symbol shall be a circle or oval	les hes hes hes	P
,5	Letters or words may used where space is available	ed hose he	Р



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1.05	EN 60947-5-1	Vo	MOS	05	V	Mes
Clause	Requirement – Test	Result		Mo	09	Verdict
2	W 05 W 05	W	1,05		W	0,5
05	Symbols shall be in accordance with IEC 60417		W	05		P
5.2.4	Emergency stop	05		No	0,9	Р
s hes	Actuator shape and colour, background colour and direction of unlatching for emergency stop devices with mechanical latching function shall be in accordance with 4.2 of IEC 60947-5-5	1.05	Wes	wes	200	N.S
5.2.5	Operating diagram	Ar.	1600	6	W	PUS
,s hes	As rotary switches may have multiplicity of contacts elements and a multiplicity of actuator positions, it necessary that the manufacturer indicates the relationship between the actuator positions and the associated contact elements position	W62	nes	nes nes	wes	P Wes
5.2.5.1	The position indication shall be clear, and the associated text or symbols shall be indelible and easily legible		nes	11.05	Mes	P25
5.2.5.2	Terminal markings for operating diagrams	1600	6	y-	160	P 0
wes	Terminal markings shall be clearly identifiable with respect to the operating diagram (see also Annex M)		Wes	nes	46	5 Pho
5.2.6	Time delay markings	M	1,05	,6	2	Р
5 hes	The manufacturer shall indicate, for each time- delay contact element, the characteristic of the delay, according to 2.4.1.1 or 2.4.1.2		Vi-	h.e.	05	MCP
5.3	Instructions for installation, operation and maintenance		, yu	- V		W PS
,5 W	The manufacture shall specify, in his documents or catalogues:	Wes	.5 1	103	res	P 05
5 hes	- the conditions for installation, operation and maintenance, if any, of the equipment during	0.5 V		W62	W.C.	P
0,5	operation and after a fault		403	09	,	05
5	- the specify the measures to be taken with regard	05	-	Mo	S	W P
19	to EMC, if any,	1	Wes	₩	0-	,6
,5 Wes	nes nes nes nes nes	wes	0.5 No.5	05 M	05	nes
is he	wes wes wes wes	nes W	res h	es w	e5	s we

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25 105	he wes to kes hes	hes hes os her	wes
res	Nes wes wes wes shenzi	hen KES Testing & Certfication Report No.: 00440K	n Co., Ltd. ES0040S
0,5	EN 60947-5-1	Wes 22 W	405
Clause	Requirement – Test	Result	Verdict
0,5	W 165 W 165	he wes the	1.05
is wes	- equipment only suitable in environment A shall provided with the following notice	NOTICE This product has been designed for environment B may cause unwanted electromagnetic disturbances in	INDS
15 No	nes he hes hes	which case the user may be required to taken adequate mitigation measures.	.05
es wes	- if necessary, the instructions for transport, installation and operation of the equipment shall	nes nes nes	P
es hes	indicate the measures that are particular importance for the proper and correct installation, commissioning and operation of the equipment.	nes nes nes	, 0,5
6			
q	Normal service, mounting and transport conditions		
6.1.1	Ambient temperature	6 he	9 P
s wes	Ambient air temperature does not exceed +40 °C and its average over 24 hours does not exceed +35°C and the lower limit is -5°C	-25°C to70°C	P V
6.1.2	Altitude of side of installation does not exceed 2000m	0.5 NO NO	W.P5
6.1.3.1	Relative humidity does not exceed 50 % at max temp +40 °C, higher rel. hum may at lower temperatures e.g. 90% at +20 °C	wes wes	NOS NOS
6.1.3.2	Pollution degree	05 05 W	₽ W
es hes	Unless otherwise stated, equipment for: - industrial use shall have a degree 3, depending	nes wes	W.P
G 1 1	upon micro-environment - household and similar shall have degree 2	wes wes	NOS NI/A
6.1.4	Shock and vibration Under consideration	0.5	N/A N/A
6.2	Conditions during transport and storage	6 W 109 6	N/A N/A
1,0	Under consideration	LOS WES	N/A
6.3	Mounting	Me 1162 M	P
0.3	wounting	9	PW





Mes	as wes as wes	in hes	M
100	Me os wes os	hes is her	2
23	Shenzi	nen KES Testing & Certfication	Co., Lt
· Vi	nes he les he	Report No.: 00440K	ES0040
.6	EN CONTRACTOR	The way	0
· Wo	EN 60947-5-1	- 6 1405	
lause	Requirement – Test	Result	Verdic
0.5	According manufacturer's instruction	W 05	1/P
.3.1	Mounting of single hole mounted devices	05 100	N/A
.0	Dimensions according Table 2	No 1,05 No	N/A
.3.1.1	Location of key recess(if any)	14.05	N/A
)	Dimensions according Table 3	40 6 40	N/A
3.1.2	W G	W 05	N/A
.3.1.2	Range of panel thickness	05 16	
,	The device shall be capable of being mounted on	he is he	N/A
242	any thickness between 1 and 6 mm	14.05	NI/A
.3.1.3	Grouping of devices	1105	N/A
09	The distances a between the mounting centres in	Wes 25 W	N/A
M	the same row and b between the centre lines of	is hours	,
,	the rows shall be not less than those given in table	he os he	1/6
	3. Distances a and b may be interchanged	W .6	y.
7.1 2	CONSTRUCTION	W G W	
1.1	Materials	W03 11.05	P
1.2	Current-carrying parts and their connection	09 6 6	P
2	No contact pressure through insulating materials	he hes hes	
7.1.3	Clearances	,6 ,6	W _P
y V	Clause 7.1.3 of IEC 60947 applies	10 HO 10 G	, P
,6	Minimum values are given in Table 13 and Table 15 of IEC 60947-1	0.5	P
Me	Rated impulse withstand voltage	(see test sequence I)2.5KV	P
7	Case B (mm)	Required :0.6 mm	Р
1,09	Case A (mm)	Required :1.5mm	, P
, VV	wes a we we	Measured:3.2mm	Р
.6	Creepage distances	11.05 11.05	P
W	Pollution degree	2 6	W P
,	Comparative tracking index (V):	500V	Р
1,05	Material group	1 05 W	14 P
) YV	Rated insulation voltage Ui (V)	300V	Р
	Minimum creepage distances (mm)	1.6mm	P
4,0		Λ ² 7 , Γ	6
SWE	Measured creepage distances (mm):	3.2mm	P P



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Wes	nes hes hes hes	wes wes	, VP
<u> (es</u>	Shenzh	nen KES Testing & Certfication	
5	EN 60947-5-1	Report No.: 00440K	ES0040S
Clause	Requirement – Test	Result	Verdict
9	Wes E Wes E	1105	
7.1.4.1	Insulation	W 05	N/A
7.1.4.2	Direction	05 W	N/A
7.1.4.3	Actuating force (or moment):	no 162 ho.	N/A
7.1.4.4	Limitation of rotation (of rotary switch)	6 4 69	N/A
7.1.4.5	Emergency stop	W63 25 W6.	N/A
7.1.5	Indication of the contact position	1400 05	N/A
7.1.5.1	Indication means	05 W	N/A
7.1.5.2	Indication by the actuator	Me 05 Mo.	N/A
7.1.6	Conditions for control switches suitable for isolation	1105	N/A
7.1.7	Class II control circuit devices	nes as we	N/A
1,05	Not provided with means for protective earthing and insulated by encapsulation,	See annex F	N/A
7.1.8	Requirements for control devices with integrally connected cables	See annex G	N/A
7.1.1109	Degree of protection of enclosed equipment	W 05	N/A
SW	Degree of protection:	waterproofing grade 4, Dust	N/A
5	wes a wes	level 6	-6
Mes	Test for first characteristic	G W	N/A
5	Test for first numeral:	Wes 1162 166	N/A
. 05	Test for second characteristic	6 6	N/A
S	Test for second numeral	hes hes	N/A
7.2	Performance requirements	05 NO	RS.
Mes	Subclauses 7.2.1.1 and 7.2.2 of IEC 60947-1 apply with the following additions:	no nes	P
7.2.1.2	Limits of operation of contactor relays	09 G W	P. V
W62	The limits of operation for contactor relays shall be in accordance with IEC 60947-4-1	See clause 8.3.3.2	WEP
7.2.3	Dielectric properties	we 6	Р
1,09	Subclause 7.2.3 of IEC 60947-1 applies with the	See clause 8.3.3.4	P
5	following addition For class II control circuit devices insulated by encapsulation	See Annex F	N/A
7.2.4	Ability to make and break under normal and abnormal load conditions	wes we	NP
7.2.4.1	Making and breaking capacities	05 40 05	PW
6 he	Making and breaking capacities under normal conditions as state in table 4	See clause 8.3.3.5.2	5 P
103	Making and breaking capacities under abnormal conditions as state in table 5	See clause 8.3.3.5.3	N/A
6	W 29 29	N 103 W	.03

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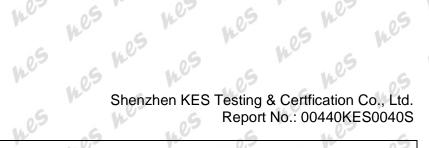
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10	hes hes hes	nes nes nes	, ,5
205	Shenz	hen KES Testing & Certfication Report No.: 00440K	
0,5	EN 60947-5-1	Wes as	Wes
Clause	Requirement – Test	Result	Verdict
07	W 05 W 05	W OS WO	05
7.2.4.2	Vacant	W	N/A
7.2.4.3	Durability	05	N/A
05	Sub-clause 7.2.4.3 of IEC 60947-1 applies with the following additions:	Wes os we	N/A
C VI	Mechanical durability	See Annex C	N/A
03	Electrical durability	See Annex C	N/A
7.2.5	Conditional short-circuit current	in the same	Р
9 9	The switching element shall withstand the stresses resulting from short-circuit current under the conditions specified in 8.3.4	hes hes is hes	Pes
7.2.6	Switching overvoltage	as we as	N/A
09	Subclause 7.2.6 of IEC 60947-1 applies	he ies he	N/A
7.2.7	Additional requirements for control switches suitable for isolation	1.05 NOS	N/A
05 NOS	Control switches suitable for isolation shall be tested according to 8.3.3.4 of IEC 60947-1 with a value of test voltage as specified in Table 14 or IEC 60947-1 corresponding to the rated impulse withstand voltage Uimp declared by the	wes wes wes	N/A
1,09	manufacturer.	W. W.	05
S	Other additional requirements applicable to such control switches are under consideration	nes nes nes	N/A
7.3	Electromagnetic compatibility (EMC)	6 6	N/A
5	Subclause 7.3 of IEC 60947-1 applies unless otherwise specified in this standard	nes nes	N/A
	W1" A1 TI		

05	No 05 No 1105 1105 5	Wes .
8.3.1.a	TEST SEQUENCE I (sample No. 1)	
6	wes a we were	V
Test No. 1	- operating limits of contactor relays (8.3.3.2)	
Test No. 2	- temperature rise (Clause 8.3.3.3.)	
Test No. 3	- dielectric properties (Clause 8.3.3.4)	
Test No. 4	- mechanical properties of terminals (8.2.4 of IEC 60947-1	

8.3.3.2	Operating limits of conta	actor rela	ys			
9.3.3.2.1	Power-operated equipment:	1,05		M	1405	
8.2.1.2.1	Electromagnetic contactors and starters	No.	1403	05	1.0	1
100	rated control supply voltage Us (V)	.6	y -	We	SW	P





20	EN 00047 5 4	16 16 M	1,05
Clause	EN 60947-5-1	Pacifit W	\/o =d: =t
Clause	Requirement – Test	Result	Verdict
.05	frequency (Hz)	Nº 05	VP
5 16	declared ambient temperature(>40 °C) for 100% Us	40.05 Wes wes	P 95
5 NOS	limits of close satisfactorily at any value between 85% and 110% of rated control supply voltage Us	wes wes wes	P
5 W	limits of drop out and open fully are: 75% to 20% for a.c. and 75% to 10% for d.c.	See operation under -5°C	N/A
h	ambient temperature(-5 °C) for 100% Us	S W	Р
s hes	limits of close satisfactorily at any value between 85% and 110% of rated control supply voltage Us	See operation under 40°C	Pes
nes	Limits of drop out and open fully are: 75% to 20% for a.c. and 75% to 10% for d.c.	he hes hes he	5 Ph
8.2.1.2.2	Contactors and starters with electronically controll	ed electromagnet	
,,05	Rated control supply voltage Us (V)	W Wes	1,05
5 W	Frequency (Hz)	1109 05 05	N/A
nes	Declared ambient temperature(>40 °C) for 100% Us	es es	N/A
s hes	Limits of close satisfactorily at any value between 85% and 110% of rated control supply voltage Us	9 .6	N/A
nes	Limits of drop out and open fully are: 75% to 20% for a.c. and 75% to 10% for d.c.	nes nes	N/A
9	Ambient temperature(-5 °C) for 100% Us	409 6 6	N/A
s hes	Limits of close satisfactorily at any value between 85% and 110% of rated control supply voltage Us		N/A
5 hes	Limits of drop out and open fully are: 75% to 20% for a.c. and 75% to 10% for d.c.	os hes hes os	N/A
8.2.1.2.3	Electro-pneumatic contactors and starters	No 05 6 M	
-6	160 6 6	VV 07	0 (

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les	wes wes wes wes shenzh	nen KES Testing & Certfication Report No.: 00440K	
9	ne s we s	Report No., 00440K	E300403
,,05	EN 60947-5-1	W	Wes
Clause	Requirement – Test	Result	Verdict
-6	10 1 10 10 10 10 10 10 10 10 10 10 10 10	We compared the	14.05
WOS	Rated air supply pressure(Bar):	G WOS	N/A
9	Declared ambient temperature(>40 °C) for 100%	nes us	N/A
05	of the rated air supply pressure(Bar)	105	140
G W	Limits of close satisfactorily at any value between	.05 W 09	N/A
. 05	85% and 110% of rated air supply pressure(Bar)	nes nes ne	nes
SW	Limits of drop out and open fully are: 75% to 10%	1105	N/A
	of rated air supply pressure(Bar):	Me ale	1,05
5 Wes	Ambient temperature(-5 °C) for 100% of the rated air supply pressure(Bar)	nes a nes	N/A
15	Limits of close satisfactorily at any value between	W 16	N/A
Shor	85% and 110% of rated air supply pressure(Bar)	nes os her nes	1409
1.05		1,09	6
G W	Limits of drop out and open fully are: 75% to 10%	1.05 M	N/A
-6	for the rated air supply pressure(Bar) :	1000	,
8.3.3.3	Temperature rise	6	
6	ambient temperature 10-40 C	we 1605 165	
05	test enclosure W x H x D (mm x mm x mm):	, w w	
5 M	material of enclosure:	Wes wes	
P	NO-contacts, test conditions:	no ho	
400	- rated operational current le (A):	5-15mA	P
6	- cable cross-section (mm²)	1mm2	Р
.6	- temperature rise of NO terminals (K)	≤ 7.0,	Р
Me	NC-contacts, test conditions:	- Wes	N/A
2	- rated operational current le (A):	407 A 65 65	N/A
1,05	- cable cross-section (mm²):	mm2 /AWG	N/A
9	- temperature rise of NC terminals (K):	See table	N/A
,6	Coils and electromagnets, test conditions:	1,09	
M	- rated control supply voltage Us (V):	V / Hz	N/A
9	- Class of insulating material:	ES 100 05	N/A
WG.	- temperature rise of coil and electromagnets (K) :	See table	N/A
0.5	1- temperature use or con and electromagnets (N).	Jee lable	IN/A

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0,5	EN 60947-5-1	No.	Mes	25	1/20-
Clause	Requirement – Test	Result		Mos	Verdict
7	W 05 W 05	W	19	W.	_6
8.3.3.4	Test of dielectric properties, impulse withstand volt	tage (Uim	p indicate	ed):	
5 1 6	- verification by measurement of clearances instead of testing	hes	11.05	W E MOS	N/A
Mes	- rated impulse withstand voltage (V):	2.5KV	7	Wes a	P
5	- test Uimp auxiliary circuits (kV):	3KV	05	Mes	P
1,05	Test of dielectric properties, dielectric withstand vo	oltage (Uin	np not inc	dicated):	VP.
5	- rated insulation voltage (V):	300V		1.09	Р
nes	- control and auxiliary circuits, test voltage (V) for 5 sec	1500V	Wes	nes he	VP2
8.2.4	Mechanical properties of terminals	,			
8.2.4.2	Mechanical strength of terminals		M	1,05	
5 105	maximum cross-sectional area of conductor (mm²)	nes	wes	wes wes	P
SVL	diameter of thread (mm)	0,5		10	P
5	torque (Nm)	1	105	0,5	Р
14.00	5 times on 2 separate clamping units		A-	No	I P
8.2.4.3	Testing for damage to and accidental loosening of	conducto	r (flexion	test)	
nes	conductor of the smallest cross-sectional area (mm²):	1,09	VI.	,05 M	W.PS
1,05	number of conductor of the smallest cross section) V	05	0.5	W. Be
5	diameter of bushing hole (mm):	,6		W We	Р
wes	height between the equipment and the platen (mm)	lo-	nes	wes	weB
5	77	19		*	7

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clamping unit

mass at the conductor(s) (kg): 135 continuous revolutions: the conductor shall neither slip out of the terminal nor break near the





25 .05	hes as hes hes	Wes	wes	's he	11.05
kes	wes wes wes wes wes	nen KES		& Certfication No.: 00440K	
25	FN(00047.5.4)	VA.	1,05	G Me	1.05
Clause	EN 60947-5-1	Result	VV.	W62	Verdict
Clause	Requirement – Test	Result	09	W6.	verdict
8.2.4.4	Pull-out test		Me	.05	14.
6	force (N)	05		W OG	Р
wes	1 min, the conductor shall neither slip out of the terminal nor break near the clamping unit	W G	Wes	wes he	Mes
9	We of we of	1603	0.5	10) P
1,05	Flexion test		Me	1,05	P
5 "	conductor of the largest cross-sectional area (mm²)	nes	05	Wes wes	P
1600	number of conductor of the largest cross-section :	6	No.	1,00	P
9	diameter of bushing hole (mm):	1600	05	1,0	Р
wes	height between the equipment and the platen (mm):	,5	Mo	Wes .	V _P
13	mass at the conductor(s) (kg):	M	1.05	Me	PW
Mes	135 continuous revolutions: the conductor shall	6	An	nes	9
5	neither slip out of the terminal nor break near the	1103	05	E M	Р
,,,5	clamping unit	y .	M	405	05
SW	Pull-out test	1,05	0.5	, , , ,	Р
5	force (N):	W	M	M	PS
Mes	1 min, the conductor shall neither slip out of the	1,05	14	05 0	P
9	terminal nor break near the clamping unit	VI-		1,00	
14.05	Flexion test	7 V	0,5	0.5	N/A
5	conductor of the largest and smallest cross- sectional area (mm²):	05	05	ne ne	N/A
Mes	number of conductor of the smallest cross		Mo	1405	N/A
5	sectional, number of conductor of the largest	1,05	.6	,6	
1,05	cross sectional:	100	Mes	Wes	0,5
SW	diameter of bushing hole (mm)	.09	- 0	9	N/A
1,05	height between the equipment and the platen (mm):	Vec	0.5 W	nes	N/A
5	mass at the conductor(s) (kg):	6 W	4.0	9 6	N/A
06		0,0	1	1,00	14/1



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es	Shenzhen KES Testing & Certfication (Co., Ltd.
6	Report No.: 00440KE	S0040S
05	EN 60947-5-1	14.05
Clause	Requirement – Test Result	Verdict
7	W 05 W 05 W 05 W	,6
1,05	135 continuous revolutions: the conductor shall	N/A
5 1	neither slip out of the terminal nor break near the	
-6	clamping unit	1,05
1000	os wes as wes	No.
9	Pull-out test	N/A
1,05	force (N)	N/A
5 W	1 min, the conductor shall neither slip out of the	N/A
-6	terminal nor break near the clamping unit	1605
14.00	6 1109	VV
8.3.1.a	TEST SEQUENCE II (sample No. 2)	
,6	he is he is	W
Test No. 1	- Making and breaking capacities of switching elements under normal conditions (8.3.3.5.2)	
Test No. 2	- Dielectric verification (8.3.3.5.5.b)	
,5	he wes he hes he hes so he	6
8.3.1.a	TEST SEQUENCE III (sample No. 3)	N/A
9	We of we of we were	
Test No. 1	- Making and breaking capacities of switching elements under abnormal conditions (8.3.3.5.3)	N/A
Test No. 2	- Dielectric verification (8.3.3.5.5.b)	N/A
14.00	a we we not	W
8.3.1.	TEST SEQUENCE IV (sample No. 4)	N/A
,6	We 25 1 10 10 10 10 10 10 10 10 10 10 10 10 1	-6
Test No. 1	- Performance under conditional short-dircuit current (8.3.4)	N/A
Test No. 2	- Dielectric verification (8.3.3.5.5.b)	N/A
0,5	The wear we we	<u></u>
8.3.1.	TEST SEQUENCE V (sample No. 5)	N/A
-6	Nr Nr 03 Nr 03	-6
Test No. 1	- Degree of protection of enclosed control circuit-devices (Annex C of IEC 60947- 1)	N/A
Test No. 2	- Verification of actuation force or moment (8.2.5)	N/A
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05	EN 60947-5-1	Mes
Clause	Requirement – Test Result	Verdict
	1 09 W 09 W	-6
8.3.1.	TEST SEQUENCE VI (sample No. 6)	N/A
<u>a </u>	1400 - 0	
Test No. 1	- Measurement of clearances and creepage distances (7.1.3)	N/A
Test No. 2	- Verification of limitation of rotation of a rotary switch (8.2.6)	N/A
8.3.4	TEST SEQUENCE VI	Р
0.0.4	Measurement of clearances and creepage distances (7.1.3)	P
7	Clearances and creepage distances See clause 7.1.3	P
1.09	Verification of limitation of rotation of a rotary switch (8.2.6)	-
8.2.6	When this test is required in 7.1.4.4, it shall be	NI/A
0.2.0	tested during sequence VI of 8.3.1 The test sample shall be mounted according to	N/A
403	the manufacturers instructions	V.
7.1.4.4	Limitation of rotation (of a rotary switch)	
0,5	When actuators with limited or unidirectional movement are used, they shall be fitted with	N/A
6 M	robust means of limitation, capable of	29
7	withstanding five times the actual maximum actuating moment	6
8.2.6	The operating moment shall be measured five	N/A
9	times and the maximum value recorded. The maximum moment value, multiplied by five,	
05	shall be applied to the actuator by forcing it	N/A
G We	against the means of limitation. The moment shall be applied for 10 s.	No.
7	Means of limitation has not moved, become loose	N/A
1105	or prevented the actuator's normal operation	1/20
	Annex C of IEC 60947-1	N/A
-6	100 -6 100 -000 -	V
Annex C	Degree of protection of enclosed control circuit-devices	N/A
<u> </u>		21/0
Annex E	Items subject to agree between manufacturer and user	N/A
	Annex J of IEC 60947-1 applies, as far as covered by clauses and of this standard,	N/A
0.9	with the following additions	0.5
Mo	110° 10° 10° 110° 110° 110° 110° 110° 1	Mo
Annex F	Class II control circuit devices insulated by encapsulation	N/A
	Requirements and tests	

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5	Shenzhen KES Testing & Certfication C Report No.: 00440KES	Co., Ltd. S0040S
. 05	EN 60947-5-1	1103
Clause	Requirement – Test Result	Verdict
7	W 05 W 05 W	-6
Annex G	Additional requirements for control circuit devices with integrally connected cables	N/A
5	nes a nes a nes a nes	ho-
Annex H	Additional requirements for semiconductor switching elements for control circuit devices	N/A Wes
7	W 05 W 05 W	-6
Annex J	Special requirements for indicator lights and indicating towers	N/A
Annex K	Special requirements for control switches with direct opening action	N/A
Allioxit	opedial requirements for control switches with direct opening action	100
Annex L	Special requirements for mechanically linked contact elements	N/A
7	N 05 N 05 N	,5
Annex M	Terminal marking, distinctive number and distinctive letter for control circuit	N/A
0,5	devices	Ne
,5 M	hes os he hes os he hes os he he	nes
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s wes	wes wes w	.05	1.05	Wes	wes	nes	wes	nes nes	nes	
les	s hes	05	VV-	Mes	Shenzh	en KES	Testing Repo	& Certfication (ort No.:00440K	Co., Ltd. ES0040S	
5	Wo 25		Mes	05	V	405	,6	11.05	.6	
1,05	TABLE: Heating Te	est		M	,6	7	M	05	Р	
G	Test voltage (V)		65		1	220		W 05	_	
3	Ambient (°C)		<u> </u>	02	:	25	1,05	6 Mg	_	
Th	ermocouple Location	าร		dT(K)				required dT(K)		
Ambient	W 05		M	0,5	25 ℃	Mes	05	Mes	29	
Terminal N	o. 1	05		M	23.8		Me	9 65	M	
Enclosure,	plastic ,outside		1605	6	23.5	1.05		40,5		
Enclosure,	metal ,outside	.6	40	MOS	26.4	W	405	75	1,05	
supplemen	tary information:	0-	,6	7	1405	-6	7	he a	Ar	
5	140		14	-6	7	14.0	6	440		

TABLE: Dielectric Strength	Wes	6	VI.	nes	,G W	WBS
Test voltage applied between:		Test	potential (V)	applied	Breakdown (Yes	/ flashover s/No)
All poles together to enclosure	V	105	1500	No	No breal flash	kdown or nover
supplementary information:	0,5	7	M	05	Me	1,0
,5 W ,5	W	6		W	25	7-

nes	S Wes S	1,05		M	nes os	V-
5	TABLE: insulation resistance me	easurements	1103	09	G Va	P /
Insulation re	sistance R between:		R (MΩ)		Required R (ΜΩ)
All poles tog	ether to enclosure	1/200	>200	,9	-d W	,
supplementa	ry information:	1,05	V	M	Wes	9
4,00	1,03	0,9	-6		6 1	N

TABLE: Clearance and Creepage Distance Measurements									
clearance cl and creepage Up U r.m.s. required cl cl (mm) required dcr distance dcr at/of: (V) (V) (mm) required dcr									
5 100	2500	05	1.5	>1.5	1.6	>1.6			
supplementary information:	0,5	G	6 her	1605	,5	15 W			

	,6	V	160	1,00	W-	W		M	
5	TABLE: Ball F	Pressure Te	st of Thermop	astics	.6	,	09	Р	V
Allowed im	pression diamet	ter (mm)	:	05	M		Mo	_	
Part				Test temperatur	re (°C)	Impres	sion diam	eter (mr	m)
Enclosure	W	Vi	1,05	125		W	1.62	,6	7
Terminal (white)	1,05	G	125	200	6	1.18	M	0
supplemen	ntary information	1	he of	5 ,05	y-	W63	1,05	V	63

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M	nes	0.5 W	0-	nes	,5	Me	nes	.6	Mes	wes	.6	Wes	nes
14	۶	TABLE: Th	reade	ed Part T	orque T	est 9		Me	1,05	1	hes	P.5	
V-	Threaded p	art identifica	ation	Diame	eter of th (mm)	read		ımn num I, II, or II		Applied	d torque	(Nm)	nes
M	Terminal	1/4	62	-6	3.0	10-		Y	1603	-6	0.8	1,05	1
78	supplement	ary informat	ion:	M	25	,	100	.6	V -	Mes	6	W.	1,05

Wes

wes

Mes

0	5 W	.6	140 .6	14.0	6 14	5
W	ТАВ	LE: Critical compone	ents information	6	he s	1400
46	Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity1)
V.	Enclosure(top)	Sabic Innovative Plastics China Co Ltd	940(f1)	94V-0 105°C	UL94	UL E161723
W	Metal (bottom)	No 05	No.	7.5mm	G	1103
	supplementary in	formation:	0.5	We of	No	9

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¹⁾ Provided evidence ensures the agreed level of compliance.

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nes nes nes nes hes wes nes nes W05 W65 W65 ne: nes nes nes nes Photo 1 nes nes s hes nes View: 405 nes [$\sqrt{\ }$] Front Rear nes 71 O COLUMN Right side nes 1 Left side 5 I Top_we5 neg [] Bottom nes nes W. Cnes WEP I nes Wes. Internal nes nes nes 1125 nes nes nes nes W62 nes ne5

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ne5 nes 105 nes he wes. W. 69 nes hes nes Photo 2 nes nes nes View: nes hes nes nes [] Front nes nes nes Rear nes wes wes P1 wes Right side nes ne5 nes nes Left side 1.05 W25 Top wes nes E 1 nes nes Internal wes [$\sqrt{}$] Bottom nes wes. P] nes nes nes nes W05 Wes.

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