



ELECTRONICS

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FOR APPROVAL

REV:A1

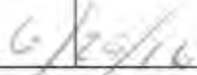
CUSTOMER: MG

DESCRIPTION: ADAPTOR TYPE: EI-57

MODEL NO: MGT2440 PART NO: _____

DESIGNED NO: _____ DATE: JUN.27.2016

APPROVED SIGNATURES

APPROVED SIGNATURES			
			
			

APPENDIX

MODEL NO.	MGT2440	DESIGNED NO.		DATE	JUN.27.2016
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REVISION RECORD LIST

REVISION	REVISION RECORD	DATE
A0	NEW ISSUE	2016.05.25
A1		2016.06.27

EXAMINED BY:

CHECKED BY: _____

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SPECIFICATION

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MODEL NO.	MGT2440	DESIGNED NO.		DATE	JUN,27,2016
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CORE TYPE: EI-57

1. SURFACE :damage,rusting,foam not permitted.

2. STRAIN RELIEF TEST: 20LBS for 60 seconds in any direction.

3. CHARACTERISTICS:

3.1 PRIMARY RATED VOLTAGE & LINE FREQUENCY: 120 VAC 60 Hz.

3.1.1 EXCITING CURRENT(I₀): 140 mA MAX.At primary rated voltage.

3.2 SECONDARY RATED VOLTAGE AND CURRENT:

RATED VOLTAGE	RATED CURRENT	NO LOAD VOLTAGE	REMARK
AC 24V±5%	AC 1670mA	AC 26.5V±5%	

3.3 HI-POT TEST: Shall withstand without breakdown 1.25 KV 60 Hz for one minute between blades and output plug and case.At an alternative potentials 20% higher may be applied for one second.(sensitivity current: 1 mA)

3.4 INSULATION TEST : 500 VDC 100 megaohm min.between blades and output plug and case.

3.5 TEMPERATURE RISE : 95 °C Max. (at 25°C) with load show on the circuit.

3.6 THIS SPECIFICATION SUBJECT TO: UL1310"

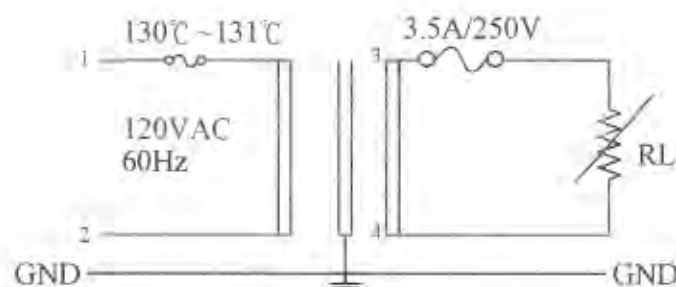
3.7 The adaptor meet requirement of lead free and RoHS.

3.8 Meets FEIA efficiency standards with a full load.

3.9 Efficiency comply 87.6% Min.under full load condition only.

But not comply Min.average efficiency for CEC 6.

4. CIRCUIT DIAGRAM:



6. STORAGE TEMPERATURE : -5°C ~ 60°C

7. OPERATION TEMPERATURE : -5°C ~ 30°C

8. APPENDIX: Overall drawing , illustration , material list , nameplate and inner box drawing.

9. UNIT NET WEIGHT: g±5%

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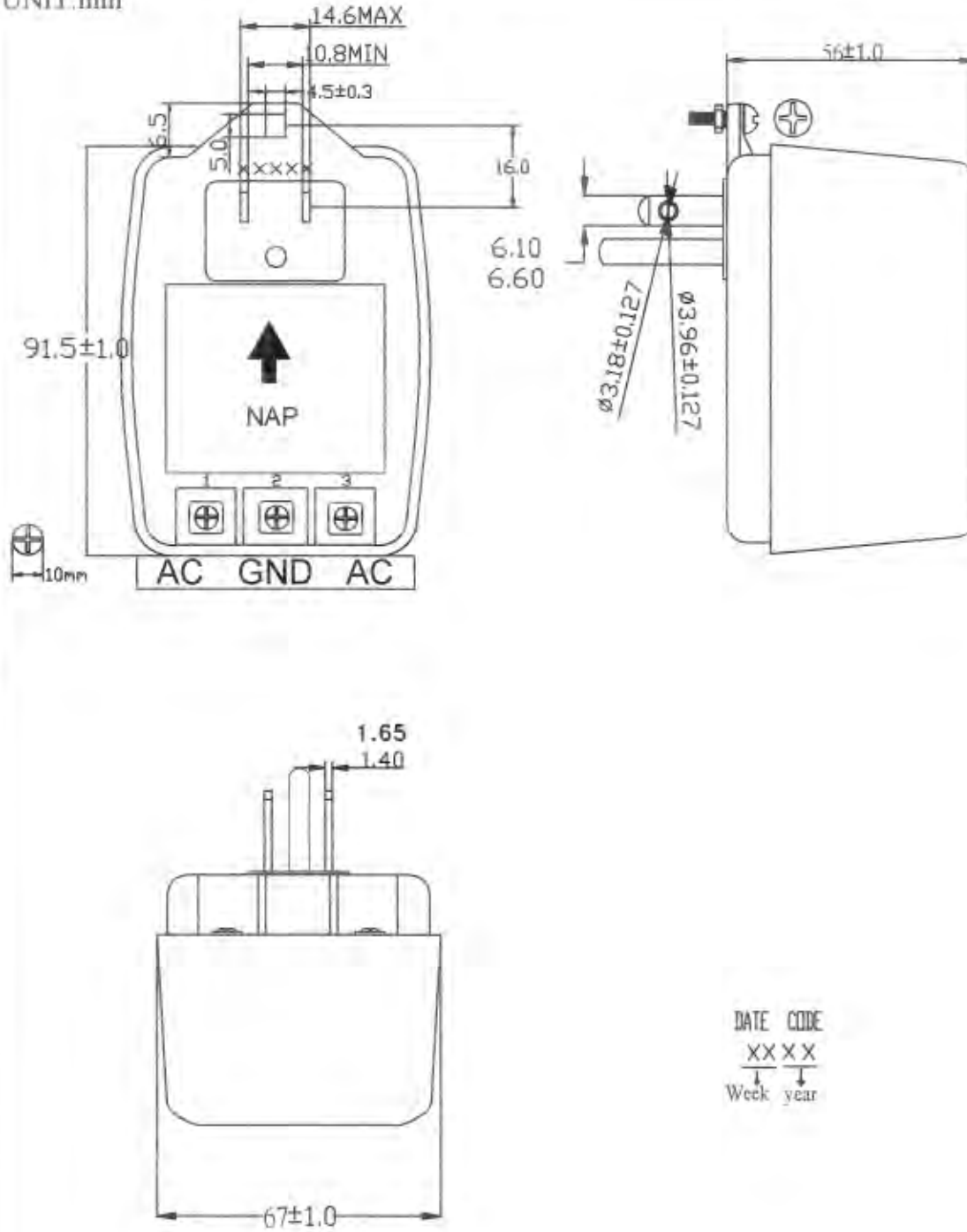
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OVERALL DRAWING

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UNIT:mm



DATE CODE
XX XX
Week year

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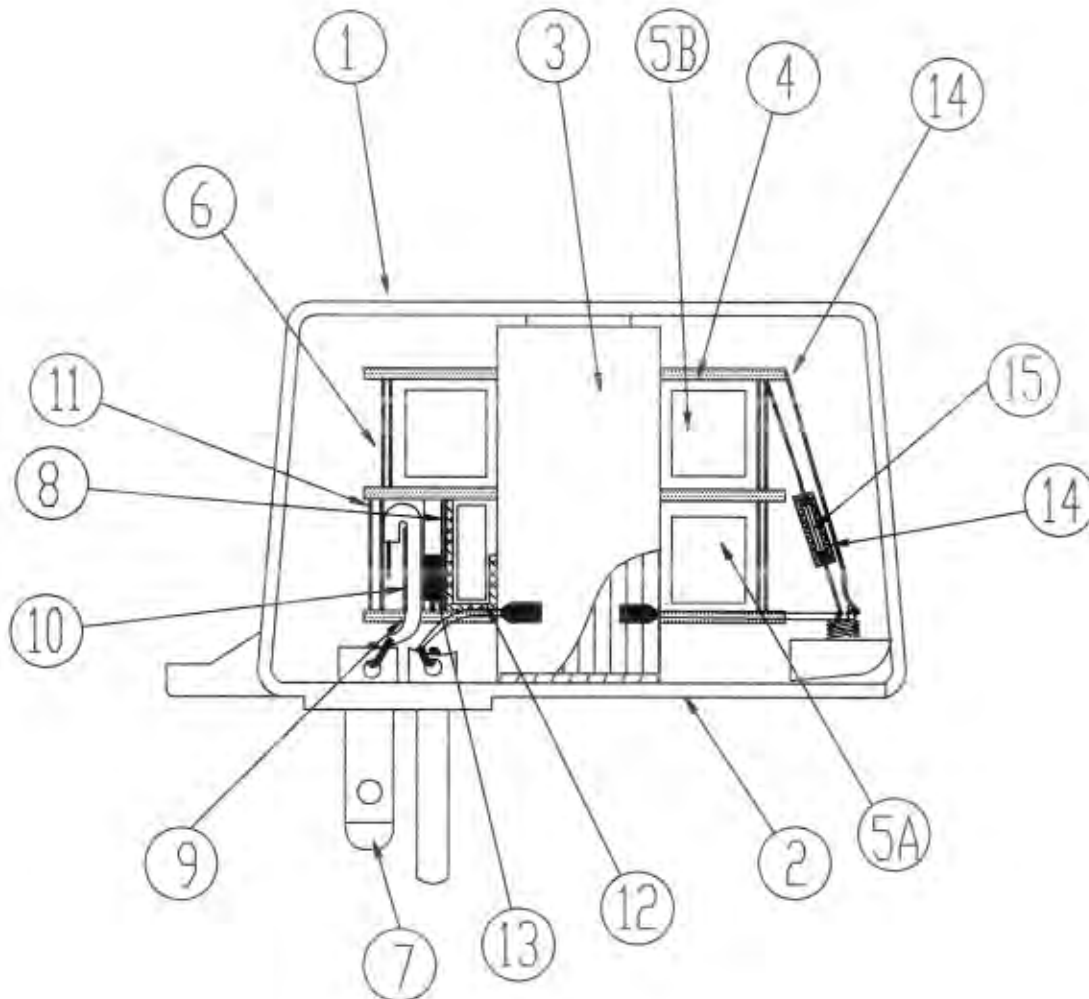
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ILLUSTRATION

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MATERIAL LIST

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MODEL NO.	MGT2440	DESIGNED NO.		DATE	JUN.27.2016
NO.	Description	Material	Spec	Manufacturer	
1	ENCLOSURE(BLACK)	PPE+PS ABS	PX1005X or SE1GFN1X PA-765A	SABIC INNOVATIVE PLASTICS JAPAN LLC(E43387) CHI MEI CORPORATION(E56079)	
2	NAME PLATE	TKSMI#200	0.2mm	Ehoung Nameplate Co., Ltd. or Equ SHENZHEN ZHIDAMEI PRINTING PACK CO.,LTD.(MH26755)	
3	CORE	Silicon Steel		Nippon Steel Corporation Jfe Steel Corporation or Equ.	
4	BOBBIN	PA66	101L/101F, V-2, 130℃	El Dupont DE Nemours & Co. INC.(E41938) or Equ.	
5	(A)PRIMARY WINDING (B)SECONDARY WINDING	Polyurethane Enamelled Copper Wire	2UEW	FENG CHING METAL CORP(E172395) TA YA ELECTRIC WIRE & CABLE CO LTD(E184201) SHENZHEN DAYANG INDUSTRY CO LTD(E176101) HUTANG GOLDEN OCEAN MAGNET WIRE(E125143) or Equ.	
6	SECONDARY WRAP	Polyester Tape	0.05mm X 2 Turns	YAHUA ADHESIVE TAPE CO LTD(E165111) CHYUN YIH TAPE CO LTD(E81174) DUCK SUNG HITECH CO LTD(E105147) NITTO DENKO CORP(E34833) or Equ.	
7	INPUT BLADES	Nickel Plated Copper	1.5mm	Shin Chuan Tun Enterprise Co., Ltd. or Equ.	
8	PRIMARY WRAP	(1)Polyester Tape (2)Press Board	(1)0.05mm X 2 Turns (2)0.50mm X 1 Layer	SAME AS ITEM 6 Miktokushu Paper Mfg. Co., Ltd.(JIS: C-2305) or Equ.	
9	PRIMARY LEAD WIRE	UL1015	AWG#22	Shen Zhen Dong Ju Wire & Cable Co., Ltd.(E189674) Rei Hsing Wire CO., Ltd.(E108485) DONGGUAN GUNEEETAL WIRE & CABLE CO LTD(E204204) ZI LI ELECTRONIC CO LTD(E254016) XINYA ELECTRONIC CO LTD(E170689) LU CHANG ELECTRIC WIRE & CABLE INDUSTRIAL (E172315) or Equ.	
10	PRIMARY LEAD WIRE FIXED	(1)Polyester Tape (2)PVC	(1)0.05mm X 2 Turns (2)0.40mm X 1 Layer	SAME AS ITEM 6 NAN YA PLASTICS CORP (E98658) or Equ.	
11	PRIMARY OUTER WRAP	(1)Polyester Tape (2)Press Board	(1)0.05mm X 2 Turns (2)0.50mm X 1 Layer	SAME AS ITEM 6 Miktokushu Paper Mfg. Co., Ltd.(JIS: C-2305) or Equ.	
12	PRIMARY CROSSOVER	Acetate Cloth Tape	0.36mm X 1 Layer	SAME AS ITEM 6	
13	THERMAL PROTECTOR	Thermal Cutoff	F4 130℃ L33 130℃ P4-1A-F 130℃ M4-1A-F 130℃ SM125B 131℃ SM125B0 131℃	XIAMEN SET ELECTRONICS CO LTD(UL E234712) JOINT FORCE METAL RESEARCH & Co LTD(E142267) AUPO ELECTRONICS LTD(UL E140847) AUPO ELECTRONICS LTD(UL E140847) NEC SCHOTT COMPONENTS CORP(UL E71747) NEC SCHOTT COMPONENTS CORP(UL E71747) or Equ.	
14	HEAT SHRINKABLE TUBING		4gx30mmX1P(Fuse)	SHENZHEN CHANYUAN ELECTRONIC MATERIAL CO., LTD.(E189688) SHENZHEN WOEI HEATSHRINKABLE MATERIAL CO., LTD(E189695)	
15	CURRENT FUSE	Time Lag Type	T3.5A/250V	XC ELECTRONICS(SHENZHEN) CORP LTD(E249609) WALTER ELECTRONIC CO., LTD(E56092)	

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NAMEPLATE

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UNIT:mm



0.2mm TKSMI#200 NAME-PLATE: BLACK CHARACTERS SILVER BACKGROUND.

THE ABOVE MARKING IS OUR OWN DESIGN FOR NAMEPLATE.
IF YOU WANT TO CHANGE THE LOGO,
PLEASE PROVIDE US MORE DETAILS OF YOUR ARTWORK.

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ELECTRICAL TEST DATA

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MODEL NO.: MGT2440DATE: JUN.27.2016

DESIGNED NO.: _____

TYPE: EI - 57

ITEM	SPEC	1	2	3	4	5	6	7	8	9	10
PRIMARY RATED VOLTAGE	120 VAC 60 Hz										
EXCITING CURRENT	140 mA MAX	76									
SECONDARY #1 VOLTAGE NO LOAD	AC 26.5V±5%	26.55									
SECONDARY #1 VOLTAGE LOAD 1670 mA	AC 24V±5%	24.23									
Meets FEIA efficiency @ Input 120VAC 60Hz with a full load	87.6% MIN	88.3%									
HI-POT P-S 1 MINUTE	1.25 KV	OK									
STRAIN RELIEF TEST 60 SECONDS	20LBS	OK									
INSULATION TEST	500VDC 100 MEGAOHM MIN	OK									
TEMPERATURE RISE	95 °C max	OK									
STORAGE TEMPERATURE	-5°C ~ 60°C	OK									
OPERATION TEMPERATURE	-5°C ~ 30°C	OK									
REMARK											

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LIST BY: