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A

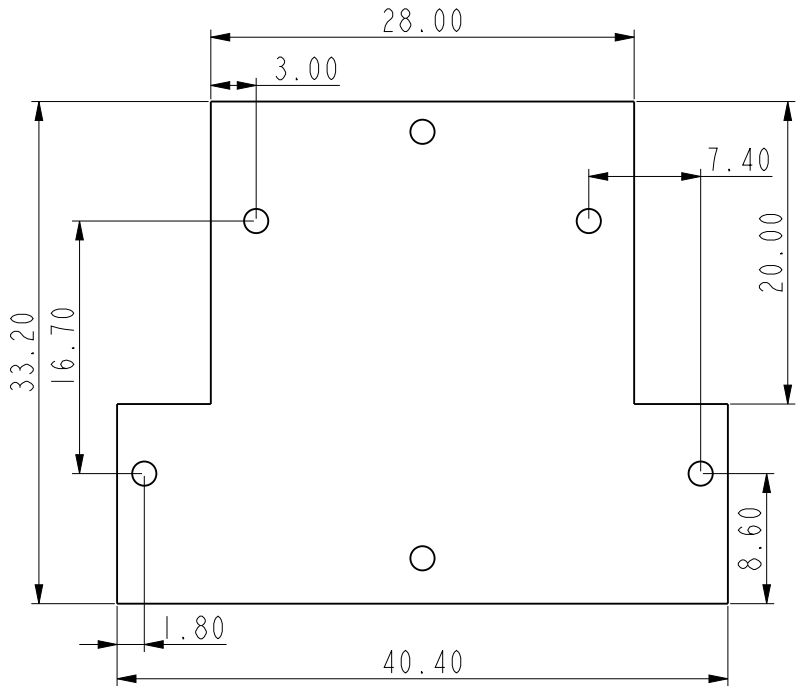
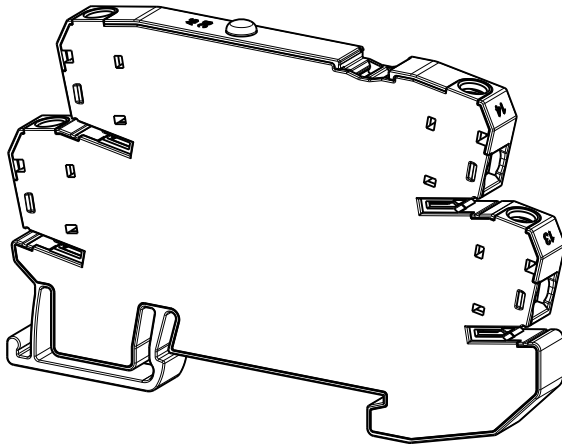
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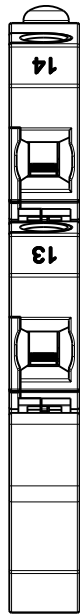
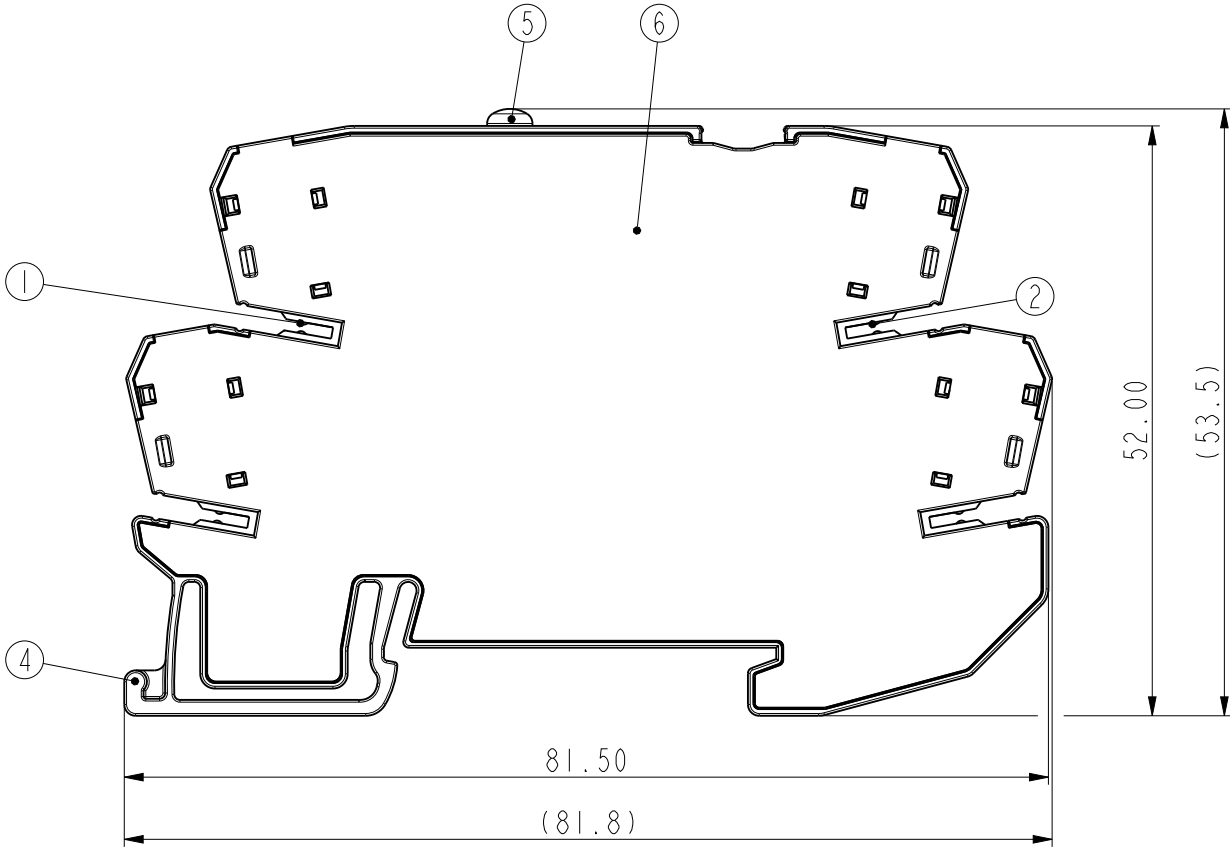
D

E

F



PCB LAYOUT



8	WIRE CAGE	STEEL	M2.5 / Zn Plated
7	SCREW	STEEL	M2.5/ Zn Plated
6	PCB		
5	LIGHT GUIDE	PC	UL94-V0 TRANSPARENT
4	HOUSING	PA66	UL94-V0 BLACK
3	COVER	PA66	UL94-V0 BLACK
2	CLAMP	COPPER ALLOY	Tin PLATED
1	CLAMP	COPPER ALLOY	Tin PLATED
ITEM	NAME OF PART	MATERIAL	NOTES

DRW.	jinyang.li	DATE	2024-10-21	GENERAL TOLERANCE	
CHK.	Lj.Liang	DATE	2024-10-22	SPECIFICATION FILE	SF-RE-S0504-001
APP.	Webb.Liu	DATE	2024-10-22	DRAWING TYPE	SP-03

PART NO.	RE-S0504				
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Total Pitch Tolerances		Normal dimension Tolerances	
0~30	±0.20	0~30	±0.25
over 30~53	±0.25	over 30~53	±0.30
over 53~70	±0.30	over 53~70	±0.35
over 70~90	±0.35	over 70~90	±0.44
over 90~115	±0.44	over 90~115	±0.55
over 115~150	±0.55	over 115~150	±0.70
over 150~200	±0.70	over 150~200	±0.85
over 200~250	±0.85	over 200~250	±1.00
over 250~320	±1.00	over 250~320	±1.20

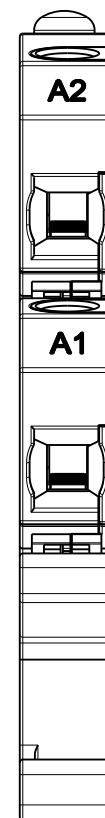
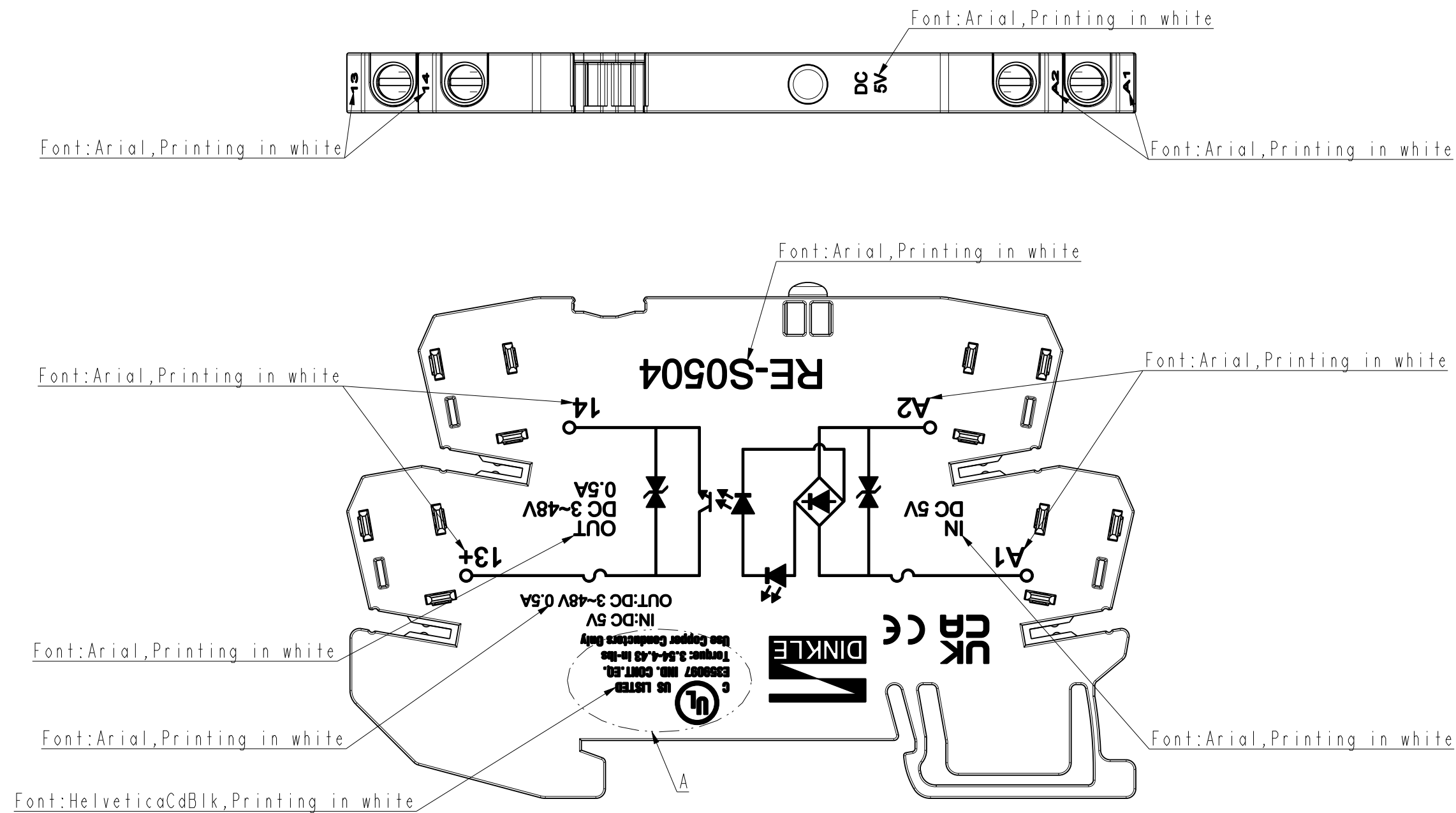
V2	3				
REV.		CONTENT	DRW.	DATE	



DINKLE
ENTERPRISE CO., LTD.

UNITS	mm	THIRD ANGLE PROJECTION	
SCALE	1.5:1	SHEET/OF	1/2

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US LISTED
E359097 IND. CONT.EQ.
Torque: 3.54-4.43 in-lbs
Use Copper Conductors Only

Total Pitch Tolerances		Normal dimension Tolerances	
	0~30 ± 0.20		0~30 ± 0.25
over	30~53 ± 0.25	over	30~53 ± 0.30
over	53~70 ± 0.30	over	53~70 ± 0.35
over	70~90 ± 0.35	over	70~90 ± 0.44
over	90~115 ± 0.44	over	90~115 ± 0.55
over	115~150 ± 0.55	over	115~150 ± 0.70
over	150~200 ± 0.70	over	150~200 ± 0.85
over	200~250 ± 0.85	over	200~250 ± 1.00
over	250~320 ± 1.00	over	250~320 ± 1.20

V2	3			
REV.		CONTENT	DRW.	DATE

DRW.	jinyang.li	DATE	2024-10-21	GENERAL TOLERANCE			
CHK.	Lj.Liang	DATE	2024-10-22	SPECIFICATION FILE	SF-RE-S0504-001		
APP.	Webb.Liu	DATE	2024-10-22	DRAWING TYPE	SP-03		
PART NO.	RE-S0504						
 DINKLE ENTERPRISE CO., LTD.				UNITS	mm	THIRD ANGLE PROJECTION	
				SCALE	2:1	SHEET/OF	2/2

RE-S0504

规格书编号/Specification File No.: **SF-RE-S0504-001**

版本/Version: A3

一般資訊 / General Information

产品长叙述/Long description	Opto Relay , Screw Connection, Width:6.20mm, M2.5 , Rated input voltage: 5VDC, Rated output voltage : 3~48VDC, Continuous current: 500mA ,Status indicator Red
产品类型/Product type	Opto Relay
产品颜色/ Color	Refer to drawing
接线方式/Connection method	Screw Connection
产品长度/ Length (mm)	81.8
产品宽度/ Width (mm)	6.2
产品高度/ Height (mm)	55 (TS-35N) /62.5 (TS-35/15N)

材料信息/ Material Information

绝缘材料/ Insulating material	PA66
绝缘材料组别/ Insulating material group	I
阻燃等级,符合 UL94 / UL94 Flammability rating	V0
绝缘阻抗/ Insulation resistance	$\geq 500M\Omega$ at DC 500V
导体材料/ Conductor material	COPPER ALLOY
导体表面镀层/Plating of conductor surface	Tin PLATED

输入侧数据 / Coil(Control side) Data

额定输入电压/Rated input voltage	5VDC
额定输入电流/ Rated input current	15~18mA
最大开关频率/Max. Switching frequency	1kHz
输入极性/input polarity	双极 Bipolar
阈值电压/Gate voltage ON/OFF	4.7VDC/4.2VDC
状态指示灯/Status indicator	(Red) LED

输出侧数据/ Contact (Load side) Data

额定输出电压/Rated output voltage	3~48VDC
连续电流/Continuous current	500mA

RE-S0504

 规格书编号/Specification File No.: **SF-RE-S0504-001**

版本/Version: A3

IEC数据 / IEC Data

最小硬质导线横截面积/ Conductor cross section solid. min (mm ²)	0.2
最大硬质导线横截面积/ Conductor cross section solid. max (mm ²)	4
最小柔性导线横截面积/ Conductor cross section stranded. min (mm ²)	0.2
最大柔性导线横截面积/ Conductor cross section stranded. max (mm ²)	4
柔性导线横截面积 · 最小管状裸端子/ Conductor cross section flexible, with min ferrule without insulation (mm ²)	0.25
柔性导线横截面积 · 最大管状裸端子/ Conductor cross section flexible, with max ferrule without insulation (mm ²)	1.5
柔性导线横截面积 · 最小管状预绝缘端子/ Conductor cross section flexible, with min ferrule with insulation (mm ²)	0.25
柔性导线横截面积 · 最大管状预绝缘端子/ Conductor cross section flexible, with max ferrule with insulation (mm ²)	1.5
具有相同截面积的二根柔性导线 · 最小的双线管状预绝缘端子/ 2 conductors with same cross section flexible, min ferrule with insulation for double wire (mm ²)	0.5
具有相同截面积的二根柔性导线 · 最大的双线管状预绝缘端子/ 2 conductors with same cross section flexible, max ferrule with insulation for double wire (mm ²)	1.5

UL数据 / UL Data

最小导线, 符合 UL/CUL/Min. wire connection acc. to UL/CUL(AWG)	24
最大导线, 符合 UL/CUL/Max. wire connection acc. to UL/CUL(AWG)	12
最小硬质导线, 符合 UL/CUL/Min. solid wire connection acc. to UL/CUL(AWG)	24
最大硬质导线, 符合 UL/CUL/Max. solid wire connection acc. to UL/CUL(AWG)	12

通用参数 / General Data

螺纹规格/Screw thread	M2.5
螺丝刀规格/Screwdriver size	0.6x3.5, PH1
剥线长度/ Stripping Length (mm)	7~8
最小扭矩/Tightening torque min(N.m)	0.4
最大扭矩/Tightening torque max(N.m)	0.5
安装轨道/Mounting rail	TS-35N、TS-35/15N
接线类型/Input type	NPN/PNP
冲击耐压/Impulse withstand voltage	2.5KV

环境与安全/ Environmental and safety

手背接触防护 IP10(IEC 60529) / Back of the hand protection IP10(IEC60529)	YES
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RE-S0504

 规格书编号/Specification File No.: **SF-RE-S0504-001**

版本/Version: A3

手指接触防护 IP20(IEC 60529) / Finger protection IP20(IEC60529)	YES
工作温度/ Operating temperature (°C)	0~60
存储温度/ Storage temperature (°C)	-40~70

配件/Accessories

配件信息:	
插拔式横联组件/PLUG-IN BRIDGE	DSD03-M1500 DSD03-M2XXX
標示牌/MARKING LABEL	TM43W/TM-R100-PXXXX

产品认证/许可/ Approvals



线径范围/Wire Range (AWG)	24~12
额定输入电压/Rated input voltage	5VDC
额定输入电流/Rated input current	15~18mA
额定输出电压/Rated output voltage	3~48VDC
连续电流/Continuous current	500mA