

自动化连接器
FA Connectors



e-CON

自动化线缆
FA Cable

自动化线束
FA Cable Harness

端子台
Terminal Block

按钮开关
Pushbutton Switch

特长 / Features

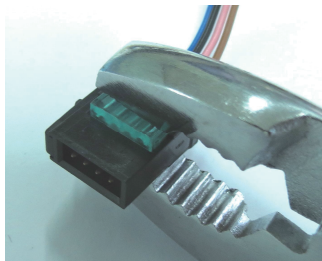
- 适用于自动化传感器现场接线
- 无需专用工具，无需剥线皮，快速压接完成
- 公母插头对接系列，方便电线接续
- 0.08~0.5mm²(AWG28~20)宽泛的电线适用范围
- 省工省时，经济耐用

材料及表面处理 / Material & Finish

胶芯材质 Housing Materials	PBT UL94V-0, 黑色, 灰色
顶盖材质 Bottom Cover Materials	PC UL94V-0, 红, 黄, 蓝等七色
底盖材质 Top Cover Materials	PC UL94V-0, 白色
接触材质 Contact Materials	磷铜合金 接触部位 镀镍2.5μ m以上 镀金0.2μ m以上 压接部位 镀镍2.5μ m以上

技术规格 / Technical Data

额定电流 Current Rating	3A max.
额定电压 Voltage Rating	32V AC/DC max.
绝缘阻抗 Insulation Resistance	1000MΩ min. at 500VDC
绝缘耐压 Withstanding Voltage	1000VAC for 1 minute
接触阻抗 Termination Resistance	50mΩ max. (漏电流 1mA max.)
插拔力 Insertion Force	插入力 Max. 1.96N(200gf) 拔出力 Min. 0.49N(50gf)
工作温度 Temperature Rating	-20~+85°C (1A通电时) -20~+75°C (2A通电时) -20~+60°C (3A通电时)
适用线规 Applicable Wire	0.08~0.5mm ² (AWG28~AWG20) 外径Φ0.6~2.0mm
电位间距 Pitch	2.0mm



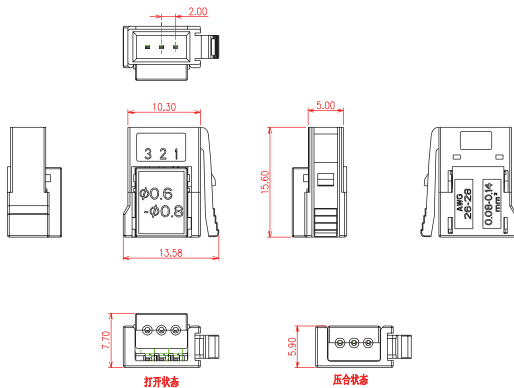
EK-TL

快速压接 操作简易 省工省时

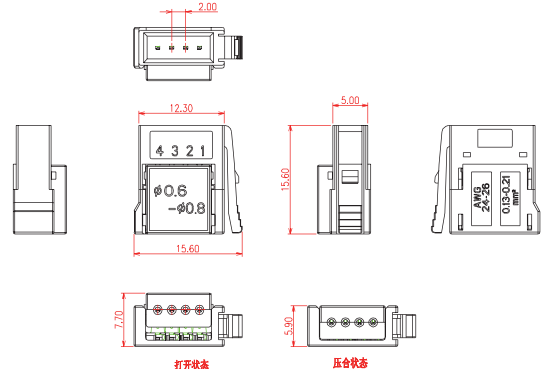
专用平口钳

产品尺寸 / Technical Dimensions

EK-03P-□□ (3芯公头)

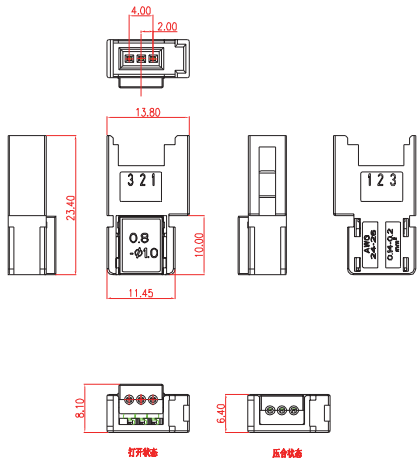


EK-04P-□□ (4芯公头)

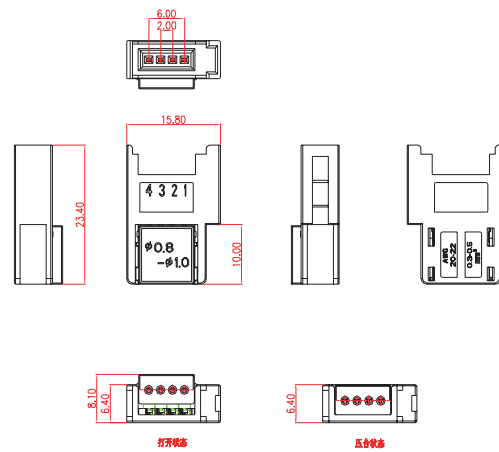


产品尺寸 / Technical Dimensions

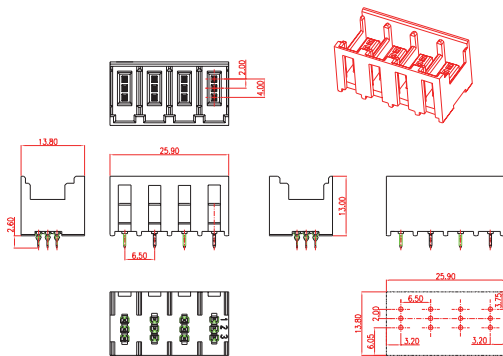
EK-03S-□□ (3芯母头)



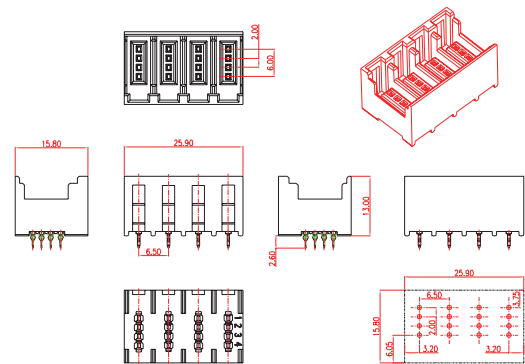
EK-04S-□□ (4芯母头)



EK-B403 (3芯母座)



EK-B404 (4芯母座)



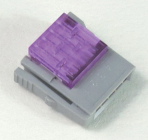


系列类型 / Series Type

外观	位数	型号	类型
	四排3芯	EK-B403	板端180° 直插母座
	四排4芯	EK-B404	

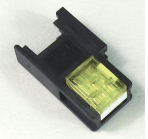
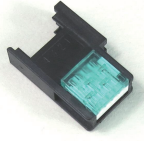
自动化连接器
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端子台
Terminal Block
按钮开关
Pushbutton Switch

系列类型 / Series Type

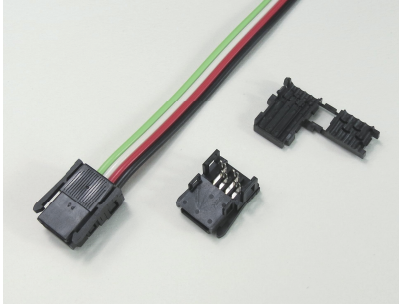
线端公头 Plug

外观	主体颜色	位数	型号	压盖颜色	电线外径(mm)	导体规格
	灰色	3芯	EK-03P-VTG	紫色	Φ0.6-0.8	AWG28-26 0.08-0.13mm ²
		4芯	EK-04P-VTG			
		3芯	EK-03P-RDG	红色	Φ0.8-1.0	
		4芯	EK-04P-RDG			
 	黑色	3芯	EK-03P-VT	紫色	Φ0.6-0.8	
		4芯	EK-04P-VT			
		3芯	EK-03P-RD	红色	Φ0.8-1.0	
		4芯	EK-04P-RD			
		3芯	EK-03P-YW	黄色	Φ1.0-1.2	
		4芯	EK-04P-YW			
		3芯	EK-03P-OG	橙色	Φ1.2-1.6	
		4芯	EK-04P-OG			
		3芯	EK-03P-GN	绿色	Φ1.0-1.2	
		4芯	EK-04P-GN			
		3芯	EK-03P-BL	蓝色	Φ1.2-1.6	
		4芯	EK-04P-BL			
3芯	EK-03P-GY	灰色	Φ1.6-2.0			
4芯	EK-04P-GY					
						AWG22-20 0.32-0.50mm ²

线端母头 Socket

外观	主体颜色	位数	型号	压盖颜色	电线外径(mm)	导体规格
 	黑色	3芯	EK-03S-VT	紫色	Φ0.6-0.8	AWG26-24 0.13-0.21mm ²
		4芯	EK-04S-VT			
		3芯	EK-03S-RD	红色	Φ0.8-1.0	
		4芯	EK-04S-RD			
		3芯	EK-03S-YW	黄色	Φ1.0-1.2	
		4芯	EK-04S-YW			
		3芯	EK-03S-OG	橙色	Φ1.2-1.6	
		4芯	EK-04S-OG			
		3芯	EK-03S-GN	绿色	Φ1.0-1.2	
		4芯	EK-04S-GN			
		3芯	EK-03S-BL	蓝色	Φ1.2-1.6	
		4芯	EK-04S-BL			
3芯	EK-03S-GY	灰色	Φ1.6-2.0			
4芯	EK-04S-GY					
						AWG22-20 0.32-0.50mm ²

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FA Cable Harness端子台
Terminal Block按钮开关
Pushbutton Switch



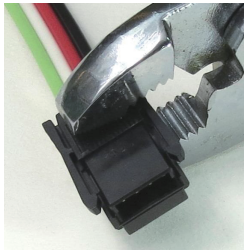
特长 / Features

- 适用于自动化现场配线
- 无需专用工具，无需剥线皮，快速压接完成
- 雌雄同体，方便电线分枝接续
- 省工省时，经济耐用



材料及表面处理 / Material & Finish

胶芯材质 Housing Materials	PBT UL94V-0, 黑色
线盖材质 Cover Materials	PA UL94V-0, 黑色
接触材质 Contact Materials	磷铜合金 接触部位 镀镍2.5μ m以上 镀金0.2μ m以上 压接部位 镀镍2.5μ m以上



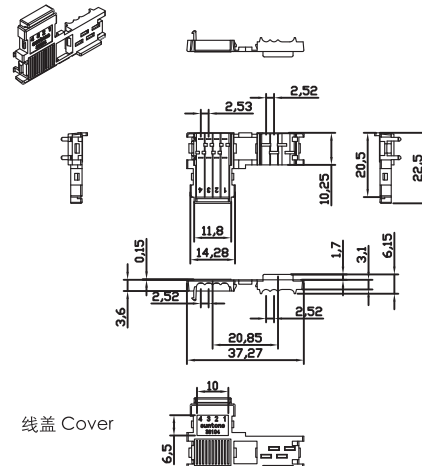
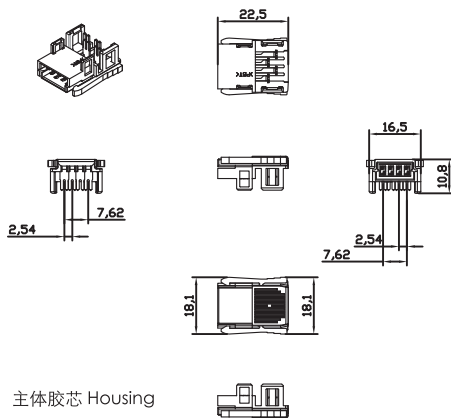
快速压接 操作简易 省工省时

技术规格 / Technical Data

额定电流 Current Rating	5A max.
额定电压 Voltage Rating	160V AC/DC max.
绝缘阻抗 Insulation Resistance	1000MΩ min. at 500VDC
绝缘耐压 Withstanding Voltage	1000VAC for 1 minute
接触阻抗 Termination Resistance	25mΩ max. (漏电流 1mA max.)
插拔力 Insertion Force	插入力 Max. 1.96N(200gf) 拔出 力 Min. 0.49N(50gf)
工作温度 Temperature Rating	-20~+70℃
适用线规 Applicable Wire	4芯 AWG18(0.75mmSQ) 外径Φ 2.54mm
电位间距 Pitch	2.54mm

EK-38104LT 4芯,雌雄同体,互插

产品尺寸 / Technical Dimensions



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FA Cable

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Pushbutton Switch

RoHS

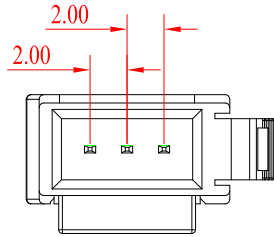
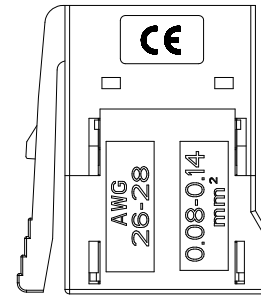
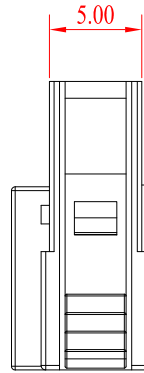
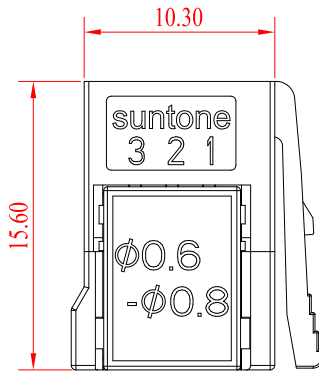
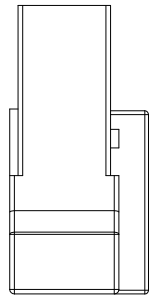
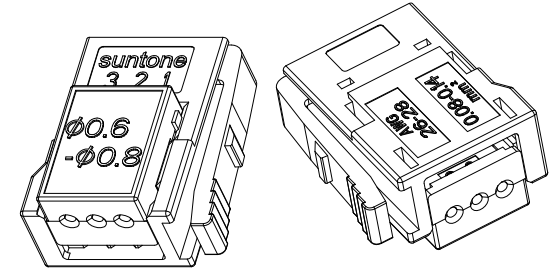


Table 1					
Wire OD	1.6~2.0	1.2~1.6	1.0~1.2	0.8~1.0	0.6~0.8
Part # 20~22AWG					
Cover Color	Gray	Blue	Green		
Part # 24~26AWG					
Cover Color		Orange	Yellow	Red	
Part # 26~28AWG					
Cover Color					Violet



NOTE:

1. Physical

1.1 Insulation:

Material: Glass reinforced thermoplastic body & lower cover, transparent thermoplastic cover
 Flammability: UL 94V-0
 Color: Black body, cover-white & color (see Table 1)

1.2 Plating:

Underplating: 2.54 μ m [100 μ] minimum Nickel
 Wiping Area: 1 μ m minimum Gold with Lubricant
 IDC: Nickel

1.3 Accommodation: Annealed Copper, high-strength Copper, or Copper Alloy. Bare, tinned, or tin overcoated, 20-26 AWG [0.14-0.5] stranded

1.4 Wire Insulation: Flexible vinyl, semi-rigid vinyl, x-linked polyethylene, or ETFE (see Table 1)

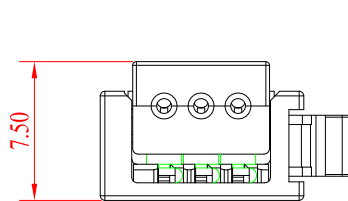
2. Specification:

3.1: Electrical:

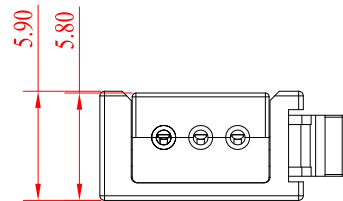
Current Rating: 3.0 Amps
 Voltage Rating: 32 Volts
 Insulation Resistance: >1 X 10⁶ Ω at 600 VDC
 Withstanding Voltage: 1,000 VRMS at sea level

3.Environmental

Temperature Rating: -20°C to +85°C ambient (1.0 A max.)
 -20°C to +75°C ambient (2.0 A max.)
 -20°C to +60°C ambient (3.0 A max.)



打开状态



压合状态

⑤	上盖	PC., 颜色依客户订单, UL94V-0	1PCS
④	底盖	PA66., 白色, UL94V-0	1PCS
③	短端子	C5191R-H, T=0.4	2PCS
②	长端子	C5191R-H, T=0.4	2PCS
①	塑胶主体	PBT, +0%GF, 黑色, UL94V-0	1PCS
ITEM	PART NAME	MATERIAL	QTY

RoHS

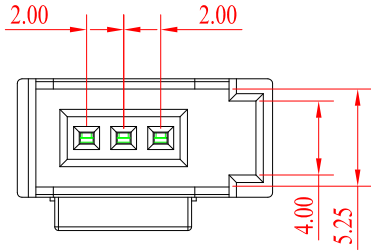
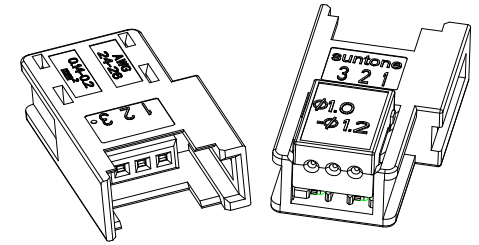


Table 1				
Wire OD	1.6~2.0	1.2~1.6	1.0~1.2	0.8~1.0
Part # 20~22AWG				
Cover Color	Gray	Blue	Green	
Part # 24~26AWG				
Cover Color		Orange	Yellow	Red
Part # 26~28AWG				
Cover Color				



NOTE:

1. Physical

1.1 Insulation:

Material: Glass reinforced thermoplastic body & lower cover, transparent thermoplastic cover
 Flammability: UL 94V-0
 Color: Black body, cover-white & color (see Table 1)

1.2 Plating:

Underplating: 2.54 μm [100 μ"] minimum Nickel
 Wiping Area: 1 μ" minimum Gold with Lubricant
 IDC: Nickel

1.3 Accommodation: Annealed Copper, high-strength Copper, or Copper Alloy. Bare, tinned, or tin overcoated, 20~26 AWG [0.14~0.5] stranded

1.4 Wire Insulation: Flexible vinyl, semi-rigid vinyl, x-linked polyethylene, or ETFE (see Table 1)

2. Specification:

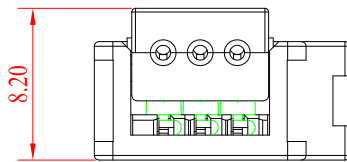
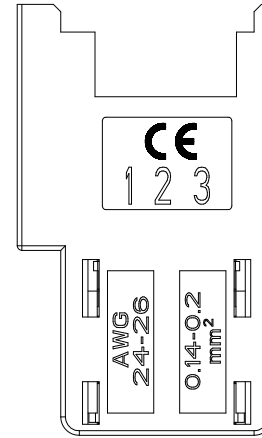
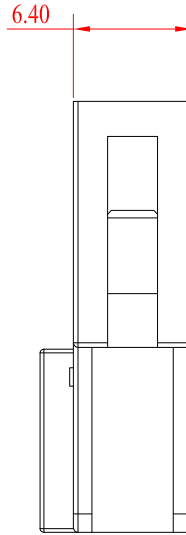
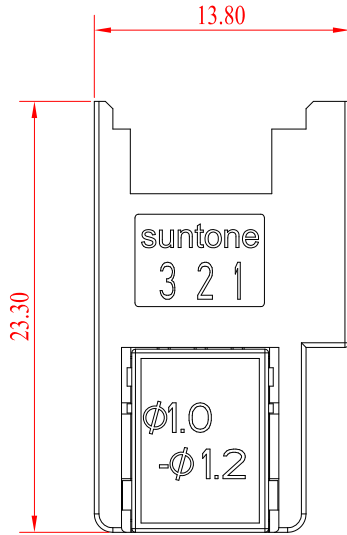
3.1: Electrical:

Current Rating: 3.0 Amps
 Voltage Rating: 32 Volts

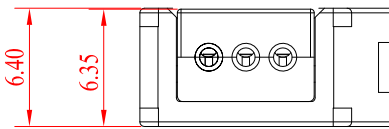
Insulation Resistance: >1 X 10⁶ Ω at 600 VDC
 Withstanding Voltage: 1,000 VRMS at sea level

3. Environmental

Temperature Rating: -20°C to +85°C ambient (1.0 A max.)
 -20°C to +75°C ambient (2.0 A max.)
 -20°C to +60°C ambient (3.0 A max.)



打开状态



压合状态

⑤	上盖	PC., 颜色依客户订单, UL94V-0		1PCS
④	底盖	PA66., 白色, UL94V-0		1PCS
③	短端子	C5191R-H, T=0.4		2PCS
②	长端子	C5191R-H, T=0.4		2PCS
①	塑胶主体	PBT, +30%GF, 黑色, UL94V-0		1PCS
ITEM	PART NAME	MATERIAL	P.N.	QTY

RoHS

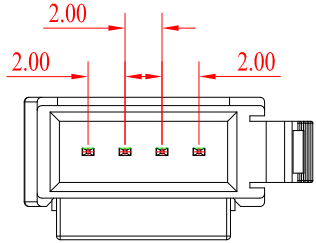
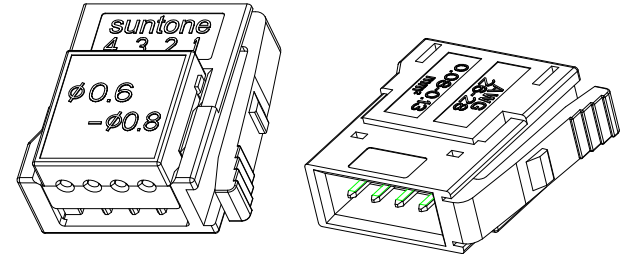


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Cover Color	Gray	Blue	Green		
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24~26AWG					
Cover Color		Orange	Yellow	Red	
Part #					
26~28AWG					
Cover Color					Violet



NOTE:

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 Flammability: UL 94V-0
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2. Specification:

3.1: Electrical:

Current Rating: 3.0 Amps

Voltage Rating: 32 Volts

Insulation Resistance: >1 X 10⁶ Ω at 600 VDC

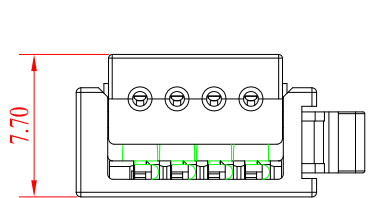
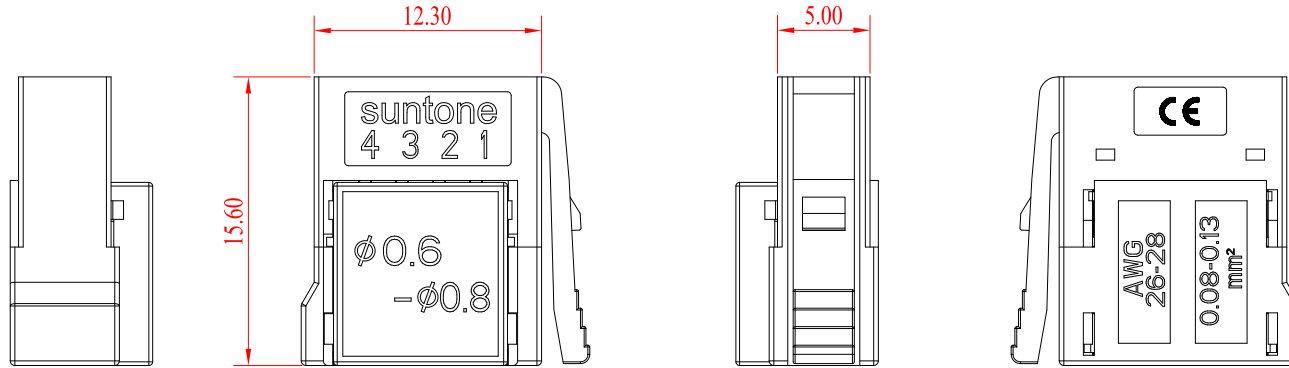
Withstanding Voltage: 1,000 VRMS at sea level

3.Environmental

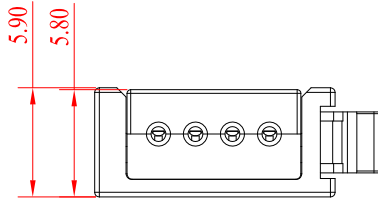
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-20 C to +60°C ambient (3.0 A max.)



打开状态



压合状态

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④	底盖	PA66., 白色, UL94V-0	1PCS
③	短端子	C5191R-H, T=0.4	2PCS
②	长端子	C5191R-H, T=0.4	2PCS
①	塑胶主体	PBT, +0%GF, 黑色, UL94V-0	1PCS
ITEM	PART NAME	MATERIAL	QTY

RoHS

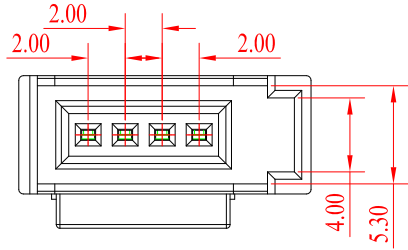
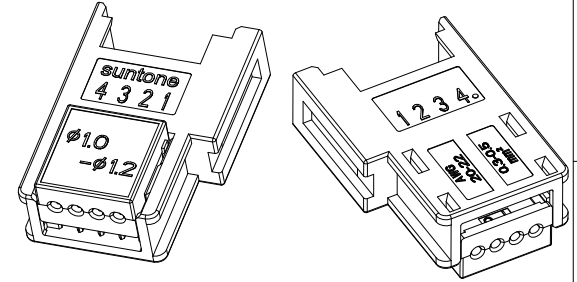


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Cover Color	Gray	Blue	Green	
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Cover Color		Orange	Yellow	Red
Part # 26~28AWG				
Cover Color				



NOTE:

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1.1 Insulation:

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 Flammability: UL 94V-0
 Color: Black body, cover-white & color (see Table 1)

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 IDC: Nickel

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1.4 Wire Insulation: Flexible vinyl, semi-rigid vinyl, x-linked polyethylene, or ETFE (see Table 1)

2. Specification:

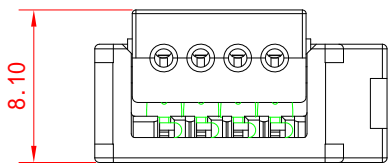
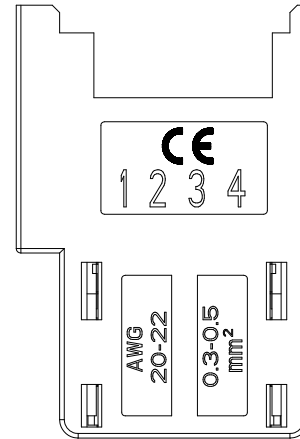
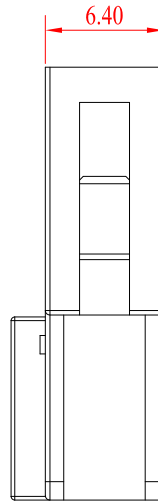
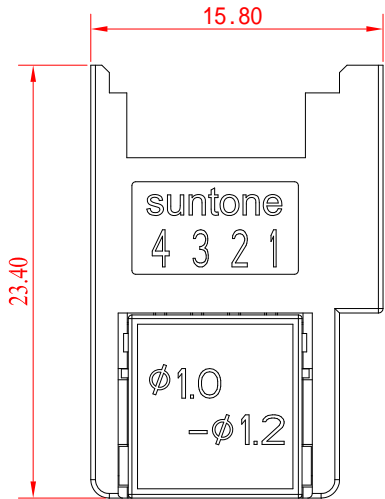
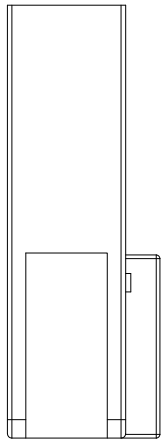
3.1: Electrical:

Current Rating: 3.0 Amps
 Voltage Rating: 32 Volts

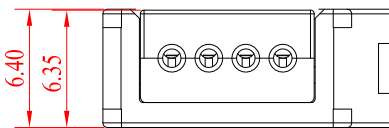
Insulation Resistance: >1 X 10⁶ Ω at 600 VDC
 Withstanding Voltage: 1,000 VRMS at sea level

3. Environmental

Temperature Rating: -20°C to +85°C ambient (1.0 A max.)
 -20°C to +75°C ambient (2.0 A max.)
 -20°C to +60°C ambient (3.0 A max.)



打开状态



压合状态

⑤	上盖	PC., 颜色依客户订单, UL94V-0		1PCS
④	底盖	PA66., 白色, UL94V-0		1PCS
③	短端子	C5191R-H, T=0.4		2PCS
②	长端子	C5191R-H, T=0.4		2PCS
①	塑胶主体	PBT, +30%GF, 黑色, UL94V-0		1PCS
ITEM	PART NAME	MATERIAL	P.N.	QTY