

SR1C- Single relay

Please note that please be sure to understand the precautions before ordering.



Characteristics

- 6A load switching capability
- A set of contact conversion forms
- Withstands 80A inrush current
- The space distance is greater than 8mm, and the creepage distance is greater than 8mm
- The mechanical life is more than 10 million times
- Long life type is optional
- Meet the use of sockets

Order specifications

Order number	SR-1CO-B1/DC24
Packing Units	100 pcs
Minimum order quantity	10 pcs
Unit weight (including packaging)	/
Unit weight (without packaging)	about5.0 g
Origin	WZ

Example of an order mark

SR 1CO - B1 ? I G (XXX) / DC24
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

1. SR: Relay series
2. Contact Type:1CO=1 set of normally open type; 1C=1 group of conversion type
3. Protective structure: B1 = plastic type None = flux mask type
- 4.Contact Material:T=AgNi None=AgSnO2
- 5.Contact Plating:G=Gold Plating None = No plating
6. Characteristic code: XXX=customer-specific characteristic code e.g. Ex:(FLT)=Bending 90° of the pin, horizontally mounted
7. Coil voltage: Refer to the coil parameter table

6 Note:

1. When ordering, refer to the coil specification table for relay voltage selection;
2. The special requirements of customers will be identified in the form of characteristic numbers after being reviewed by our technical department.

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Contact parameters

Contact form	1NO1NC
Contact Resistance(1)	100mC (at 6VDC 1A)
Contact material	AgSnO2
Contact load	6A 277VAC/30VDC
Maximum switching voltage	277VAC/30VDC
Maximum switching current	6A
Maximum switching power	1662VA/180W
Mechanical durability	a 10 million times
Electrical Life(2) On-off time: 1s on/9s off, room temperature	NO:6A 250VAC, R-load, 60000cycles min
	NO:6A 24VDC, R-load, 100000cycles min
	NC:6A 250VAC ,R-load, 30000cycles min
	NC:6A 24VDC, R-load, 30000cycles min

Performance parameters

Insulation resistance	>1000MCt(SOOVDC)		
The medium is pressure-resistant	Between hetero polar contacts	1000VAC	1min
	Between the contact and the coil	SOOOVAC	1min
Action time	10ms		
Release time	Sms		
Coil temperature rise	85K		
Impulse voltage	Waveform: 1.2/50 us 4000V		
Shock resistance	Frequency 10Hz-55Hz, doubie amplitude 1mm		
Humidity	5 - 85%RH		
Temperature	-40°C +80°C		
Lead-out form	Plug-in / PCB mount type		
Encapsu lation	Solder mask or plastic type		

Note:

1. The above values are initial.

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Contact Parameters (DC Specification: 0.4W) 23°C

Rated voltage VDC	5	9	12	24	48	60
Operating voltage«1» VDC	80%Max.					
Release voltage VDC	5%Min.					
The allowable voltage range of the coil VDC	95-120%					
Coil resistance(+10%)CI	62.5	202	360	1440	5760	9000

- 6 Note:
- 1.The above values are initial;

2.The maximum voltage refers to the maximum voltage that the relay coil can withstand in a short period of time;

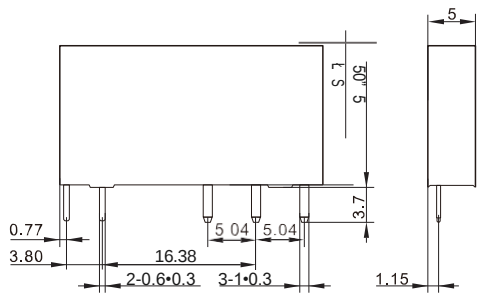
3 For products with a rated voltage of > 48V, in order to protect the coil from damage, in the test and application, there must be measures to suppress the overvoltage generated by the coil (such as: parallel diode in the coil, etc.); (4) If the operating voltage needs to «70% of the rated voltage, it can be special order.

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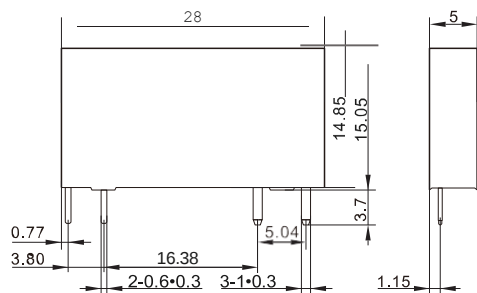
Exterior Dimension Drawing

Unit:mm

Vertical mounting type with pins

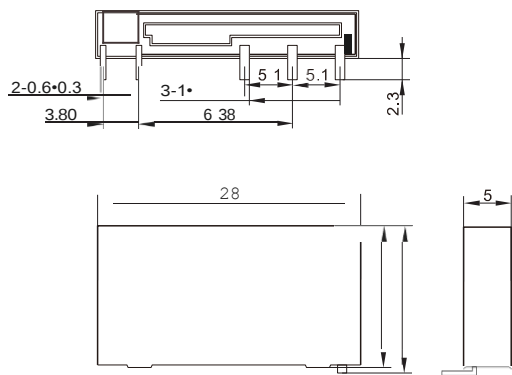


1 set of conversion type

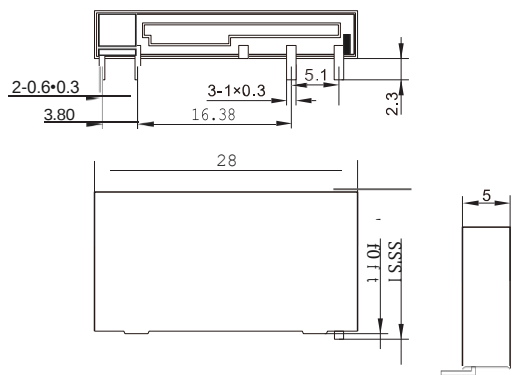


1 set of normally open type

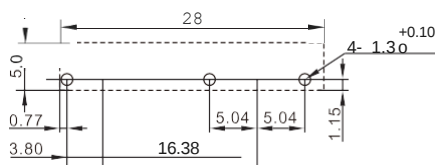
Lead-out pin horizontal mounting type



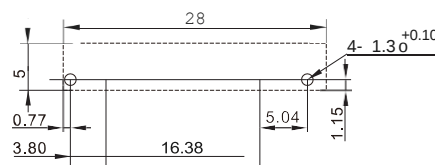
1 set of conversion type



1 set of normally open type



1 set of conversion type



1 set of normally open type

PCB cut-out dimension drawing

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Wiring diagram



1 set of conversion type



1 set of normally open type

Note:

- 1. When the overall size is 1mm, the tolerance is +0.2mm, and when the overall size is between (1-5)mm, the tolerance is a0.3mm;When the overall size >5mm, the tolerance is a0.4mm;
- 2. The size tolerance of the mounting hole is +0.1mm;
- 3. DC with freewheeling diode products need to confirm the positive and negative electrodes before wiring.

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Matching base

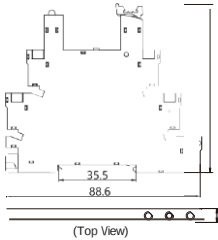
41F-1Z-C2 N-1/2/3/4/?



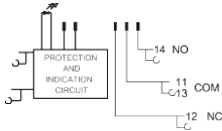
Maximum current carrying capacity: 6 A

Screw connection, grey base, with connector strip 41F-H/HR/HB, marking plate 41F-M/M 1

Outline drawing



Wiring diagram



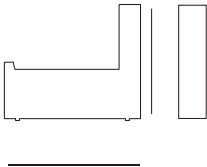
41F-1Z-A-PCB board soldering



Maximum current carrying capacity: 6 A

PCB soldering base, black soldering base, can be equipped with marker plate 41F-M/M 1

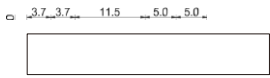
outline drawing



Wiring diagram



PCB cut-out size



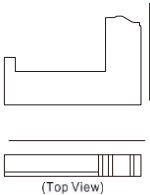
41F-1Z-AI- PCB board soldering



Maximum current carrying capacity: 6 A

PCB board soldering base, beige soldering footholder, can be equipped with marker plate 41F-M/M 1

Outline drawing



Wiring diagram



PCB cut-out size

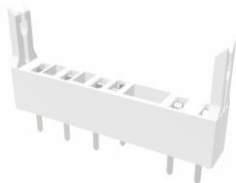


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Matching base

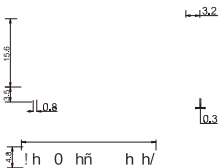
41F-1Z-A2-PCB board soldering

PCB board soldering base, white soldering foot seat



Maximum current carrying capacity: 6 A

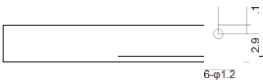
Outline drawing



Wiring diagram



PCB cut-out size



SR1C - Single relay

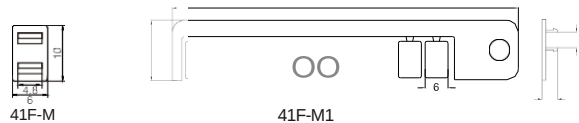
Optional accessories

41F-M/M1-Marker signs



10-digit marker plate, which can be cut and used to mark the line

Outline drawing

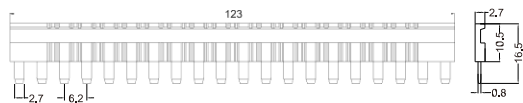


41F-H-20-position plug-in connecting strip



20-position plug-in strip, length 123mm, color: blue

Outline drawing

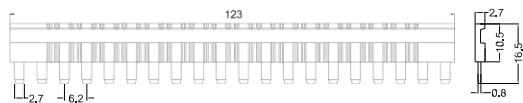


41F-HR-20-position plug-in connecting strip



20-position plug-in strip, length 123mm, color: red

Outline drawing



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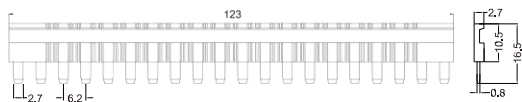
Optional accessories

41F-HB-20-position plug-in connecting strip

20-position plug-in strip, length 123mm, color: black



Outline drawing

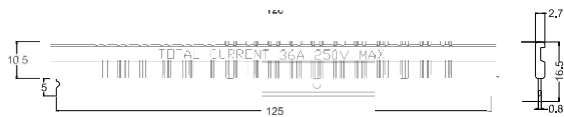


41F-H1-20-position plug-in connecting strip

20-position plug-in strip, length 123mm, color: blue

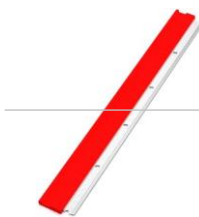


Outline drawing



41F-H1R-20-position plug-in connecting strip

20-position plug-in strip, length 123mm, color: red



Outline draw

