

RN22 Series High power relay module



Feature

- NPN/PNP bi-polar compatibility
- Simple pluggable design, easy to install and replace
- Quick-plug terminals, quick wiring, save time
- The number of relays can be selected according to customer needs
- With indicator light working status indication
- TS35 DIN fast assembly

RN22	-	1	D	08	S
Relay Module Series		Contact	Control voltage	Relay bit	Connection mode
		1: Set of transformations 2: Two-group conversion	D: 24Vdc A: 220Vac	2.2PCS 4.4PCS 6.6PCS	E: Screw mounting S: Quick-plug terminal

Specification

Input coil parameter									
Set of transformations (DC24V)	RN22-1D02S	RN22-1D04S	RN22-1D06S	RN22-1D08S	RN22-1D10S	RN22-1D12S	RN22-1D16S	RN22-1D20S	RN22-1D24S
	RN22-1D02E	RN22-1D04E	RN22-1D06E	RN22-1D08E	RN22-1D10E	RN22-1D12E	RN22-1D16E	RN22-1D20E	RN22-1D24E
Two-group conversion (DC24V)	RN22-2D02S	RN22-2D04S	RN22-2D06S	RN22-2D08S	RN22-2D10S	RN22-2D12S	RN22-2D16S	RN22-2D20S	RN22-2D24S
	RN22-2D02E	RN22-2D04E	RN22-2D06E	RN22-2D08E	RN22-2D10E	RN22-2D12E	RN22-2D16E	RN22-2D20E	RN22-2D24E
Set of transformations (AC220V)	RN22-1A02S	RN22-1A04S	RN22-1A06S	RN22-1A08S	RN22-1A10S	RN22-1A12S	RN22-1A16S	RN22-1A20S	RN22-1A24S
	RN22-1A02E	RN22-1A04E	RN22-1A06E	RN22-1A08E	RN22-1A10E	RN22-1A12E	RN22-1A16E	RN22-1A20E	RN22-1A24E
Two-group conversion (AC220V)	RN22-2A02S	RN22-2A04S	RN22-2A06S	RN22-2A08S	RN22-2A10S	RN22-2A12S	RN22-2A16S	RN22-2A20S	RN22-2A24S
	RN22-2A02E	RN22-2A04E	RN22-2A06E	RN22-2A08E	RN22-2A10E	RN22-2A12E	RN22-2A16E	RN22-2A20E	RN22-2A24E

Input coil parameter		
Control power supply	DC24V	AC220V
Control mode	NPN/PNP compatibility	
Individual rated power consumption	~0.53W	~0.9VA
Operating voltage	≤Rated voltage75%	≤Rated voltage80%
Release voltage	≥Rated voltage10%	≥Rated voltage30%
Action time	≤20mS	
Release time	≤10mS	
Contact parameter		
Contact form	1poles	2poles
Contact resistance	≤100mΩ	
Contact material	AgNi10	
Contact load	12A 250Vac/30Vdc	8A 250Vac/30Vdc
Mechanical life	1*10 ⁷	
Electrical life	1*10 ⁵ (12A 250Vac/30Vdc, Resistive load, room temperature,1s on and 1s off)	1*10 ⁵ (8A 250Vac/30Vdc, Resistive load, room temperature,1s on and 1s off)
Protection circuit	Varistor protection (Set of transformations)	—

Input coil parameter		
Maximum switching frequency	machinery	18000time/H
	Rated load	1800time/H
Insulation resistance		≥100MΩ (500Vdc)
Withstand voltage	Between the same pole contacts	1000VAC 50/60Hz 1min
	Between polar contacts	3000VAC 50/60Hz 1min
	Between coil and contact	3000VAC 50/60Hz 1min
vibration	10~55~10Hz Double amplitude: 1.0mm	
impact	1000m/s ²	
Service temperature range	-40℃~+70℃ (ice-free)	
Service humidity range	5%~85%RH (Condensation free)	
Stripping length	8~9mm	
Input terminal type	Quick-insert, screw and MIL linker are optional	
Output terminal type	Quick-insert type and screw type are optional	
Line diameter	0.2~1.5mm ² /28~16AWG	
Installation mode	Rail mounting	

Note:
1. Please confirm the load type and size before ordering, and select the appropriate product.
2. For contact protection solutions, consult Mibbo technical engineers.

Dimensional drawing, wiring diagram

Unit: mm

Circuit diagram

