Intermediate relay

Applications

-intermediate relay used for switching larger load output, strengthen or multiplying contacts of the existing device.

Feature

-Voltage range: AC/DC12V,24V,48V,110V,AC230V.
-relays GR8-316 enable connection to a 3-phase circuit.
- Relay status is indicated by LED.
- 1-MODULE,DIN rail mounting.

Model and connotation

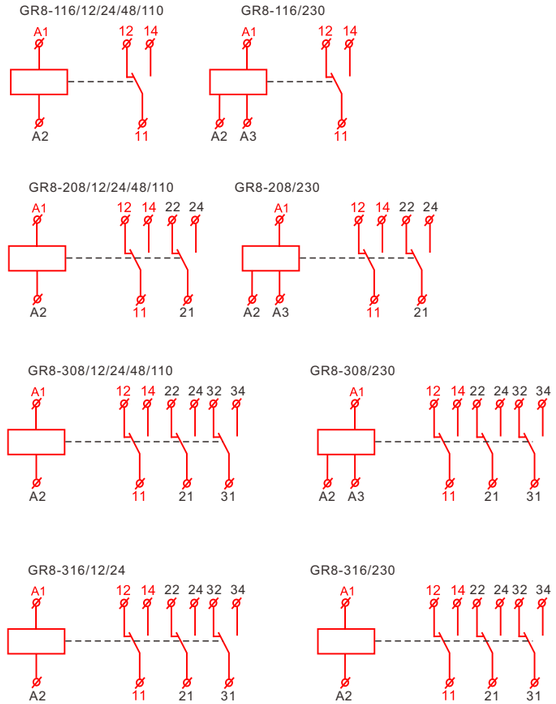
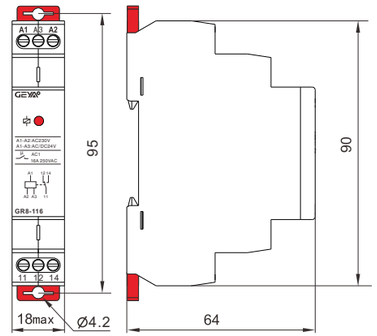
GR8 – □ / □

- Rated control supply voltage
  - 12:AC/DC 12V
  - 24:AC/DC 24V
  - 48:AC/DC 48V
  - 110:AC/DC 110V
  - 230:AC230V
- Number of contacts
  - 116:1×SPDT 16A
  - 208:2×SPDT 8A
  - 308:3×SPDT 8A
  - 316:3×SPDT 16A
- GR8 Series

Technical parameters

	GR8-116	GR8-208	GR8-308	GR8-316
Supply terminals	A1-A2			A1-A2
Voltage range	AC/DC 12V、24V、48V、110V			AC/DC 12V、24V
Burden	AC.max 12VA/DC.max1.9W			
Supply terminals	A1-A2-A3			A1-A2
Voltage range	AC230V(A1-A2),AC/DC24V(A1-A3)			AC230V
Burden	AC.max 12VA/DC.max1.9W			AC.max 6VA
Supply voltage tolerance	-15%;+10%			
Max.chargeover time	40ms			
Output				
Number of contact	1×SPDT	2×SPDT	3×SPDT	3×SPDT
Current rating	16A/AC1	8A/AC1		16A/AC1
Switching voltage	250VAC/24VDC			
Min.breaking capacity DC	500mW			
Output indication	Red LED			
Mechanical life	1×10^{7}			
Electrical life(AC1)	1×10^{5}			
Reset time	max.200ms			
Operating temperature	-20℃ to +55℃（-4°F to 131°F）			
Storage temperature	-35℃ to +75℃（-22°F to 158°F）			
Mounting/DIN rail	Din rail EN/IEC 60715			
Protection degree	IP40 for front panel/IP20 terminals			
Operating position	any			
Overvoltage cathegory	III.			
Pollution degree	2			
Max.cable size(mm^2)	solid wire max.1×2.5or 2×1.5/with sleeve max.1×2.5(AWG 12)			
Dimensions	90×18×64mm			
Weight	44g/54g	50g/60g	72g/82g	86g/96g

Wiring Diagram



Dimensions(mm)