



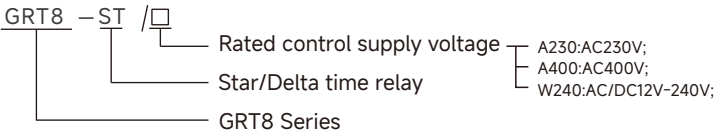
Applications

- Designated for delay ON of motors star/delta.

Feature

- Time t1 (star) :
time scale 0.1 s - 10min devided into 4 time ranges
rough time setting by rotary switch.
- Time t2 (delay) :
time scale 0.1 s - 1 s
time setting by potentiometer
- Relay status is indicated by LED.
- 1-MODULE,DIN rail mounting.

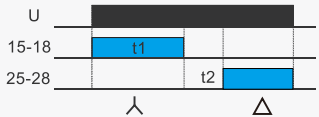
Model and connotation



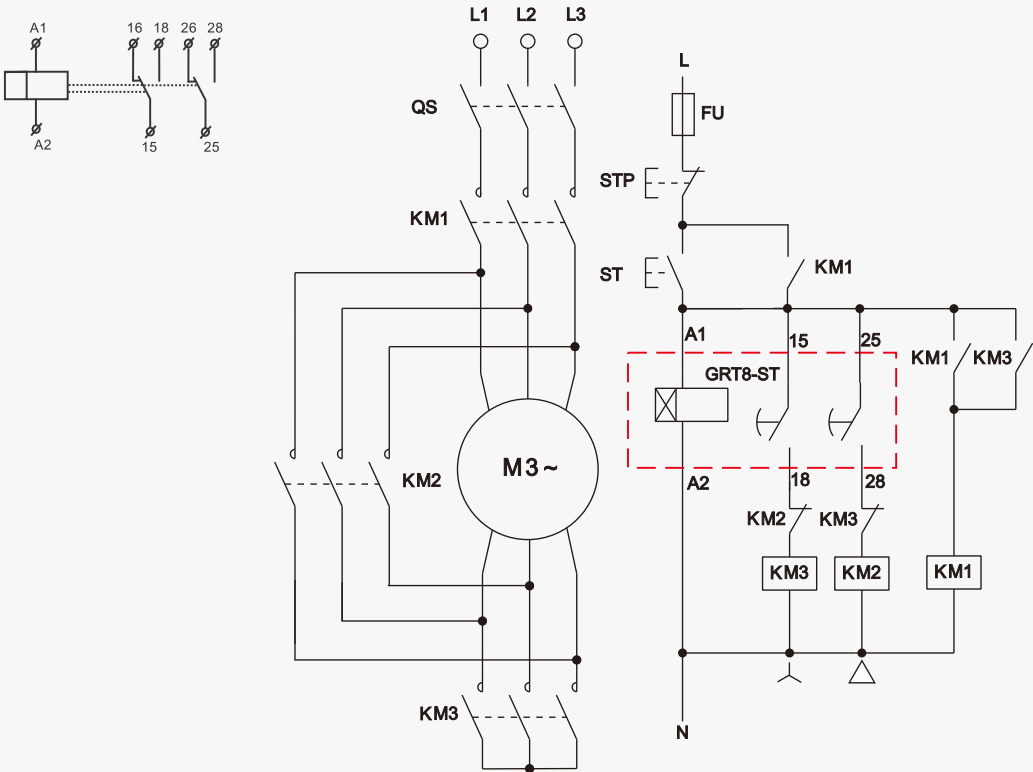
Technical parameters

		GRT8-ST
Function		Star/Delta time relay
Supply terminals		A1-A2
Voltage range	W240	AC/DC12-240V(50-60Hz)
Burden		AC 0.3-2VA/DC 0.1-1.2W
Voltage range	A230	AC 230V/AC400V(50-60Hz)
Power input	A400	AC max.6VA/1.3W
Supply voltage tolerance		-15%;+10%
Supply indication		green LED
Time ranges		Range of time delay t1:0.1s-10 min,Switch time t2: 0.1 s-1 s
Time setting		potentionmeter
Time deviation		10%-mechanical setting
Repeat accuracy		0.2%-set value stability
Temperature coefficent		0.05%/°C , at=20°C(0.05°F, at=68°F)
Output		2×SPDT
Current rating		16A/AC1
Switching voltage		250VAC/24VDC
Min. breaking capacity DC		500mW
Output indication		Red LED
Mechanical life		1x10 ⁷
Electrical life(AC1)		1x10 ⁵
Reset time		max.200ms
Operating temperature		-20°C to + 55°C(-4°F to 131°F)
Storage temperature		-35°C to + 75°C(-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 category		III
Pollution degree		2
Max. cable size(mm ²)		solid wire max.1x2.5 or 2x1.5/with sleeve max.1x2.5(AWG 12)
Dimensions		90x18x64mm
Weight		W240-82g,A230-80g
Standards		EN 61812-1.IEC6947-5-1

Functions Diagram



Wiring Diagram



Dimensions(mm)

