

GNT iac low-cost single-phase solid state relays : GNA5 range

- Intended for resistive loads
- Current ratings 10 and 25 A
- Output voltage 24 to 280 V ~
- "Zero voltage" switching
- Optimum thermal response
- Control in 3-32 V =, 18 to 36 V ~, 90 to 280V ~
- Connection via screws or faston connectors
- UL/cUL, TUV approval and CE marking



Output specifications

Range	24-280 V ~	
Non-rep. peak voltage (Vp)	500	
Maximum off-state leakage (at Vmax and T = 25° C) (mA)	4.75	
Peak voltage (Arms)	10	25
Minimum current (mArms)	100	100
Max. non-rep. surge for 1 s (T = 25° C (A))	30	75
Max. non-rep. surge for 1 cycle (T = 25° C (A))	100	250
I ² t (50 Hz-60Hz) (A ² s)	50 - 1	288 - 240
Voltage drop at Imax (T = 25° C (V))	1.65	1.85
Static dV/dt (V/μs)	200	200
Rth junction/casing (°C/W)	3	2

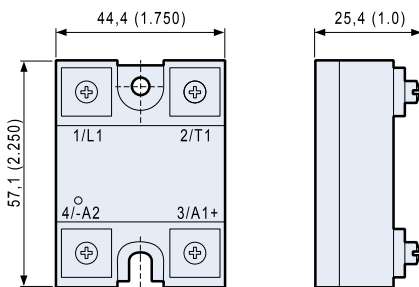
Input specifications

	4-32 V =	18-36 V ~ =	90-280 V ~ =
Drop-out voltage (V)	1	2	10
Max. current (mA)	1	8	8.5
Turn-on time (ms)	8.33 (60Hz)	20	20
Turn-off time (ms)	8.33 (60Hz)	30	30
	10 (50Hz)		

Characteristics

Operating temperature (°C)	-20 to +80		
Storage temperature (°C)	- 0 to +100		
I/O insulation voltage (Vrms)	4000		
Breakdown voltage (Vrms)	2500		
Input/output capacitance (pF)	8		
Frequency (Hz)	47 to 63		
Material	Casing	UL 9 V	
	Baseplate	Zamak	
Weight (g)	97		

Dimensions

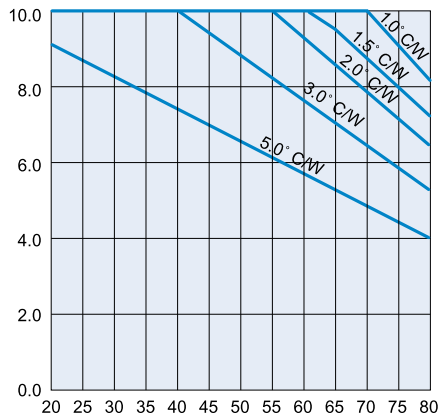


Part numbers

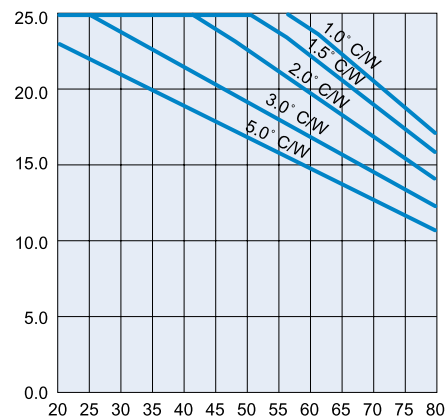
Rating	Output voltage	Input voltage	Screw	Faston
10 A	24-280 V ~	3-32 V =	84 134 900	84 134 907
		18-36 V ~ =	84 134 902	84 134 908
		90-280 V ~ =	84 134 901	84 134 909
25 A	24-280 V ~	3-32 V =	84 134 910	84 134 917
		18-36 V ~ =	84 134 912	84 134 918
		90-280 V ~ =	84 134 911	84 134 919

Thermal dissipation curves

10 A



25 A



Disponible en GM Electrónica S.A.:

<https://gmelectronica.com.ar>

Av. Rivadavia 2458, CABA

011 4953-0417 - ventas@gmelectronica.com.ar

To order, specify:

Standard products

Standard products, non stocked

1

Part number
Example : GN Triac low-cost single-phase solid state relay - 84 134 900