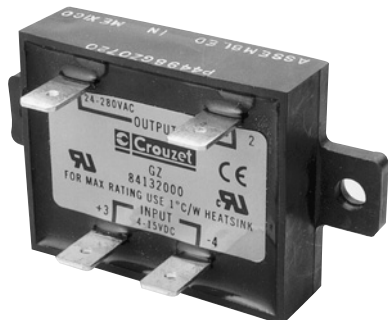


SOLID STATE RELAYS

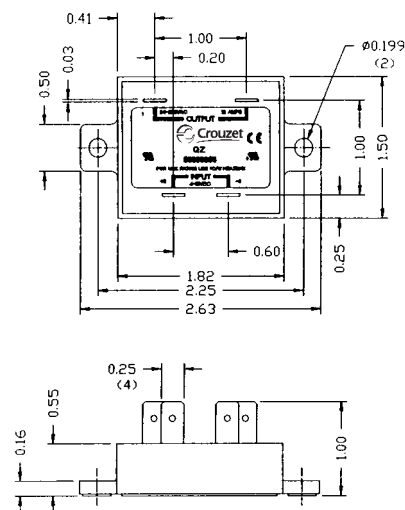
GZ SERIES SSR



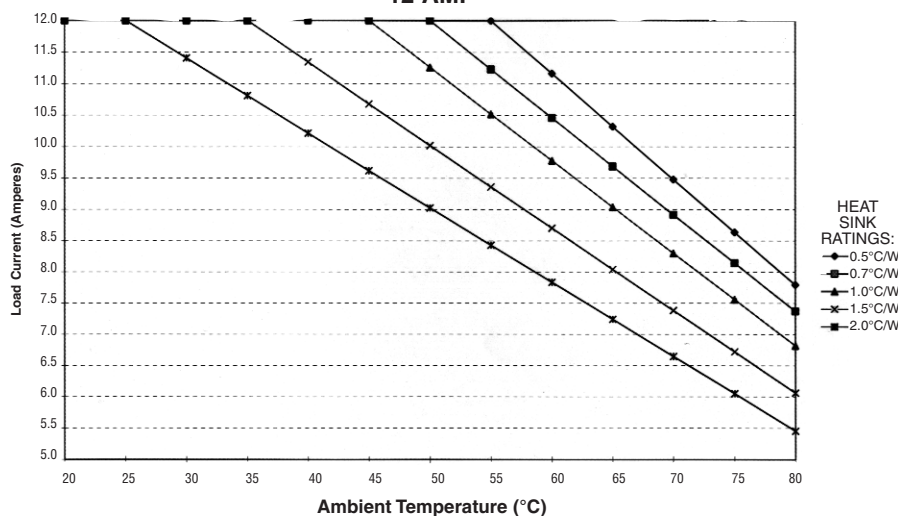
FEATURES:

- 12 & 20 Amp AC Output Relays
- Low Profile Package
- Economical Triac Output
- 4000 VAC Optical Isolation
- Zero Crossing or Random Turn-On
- UL/cUL Recognized E46203

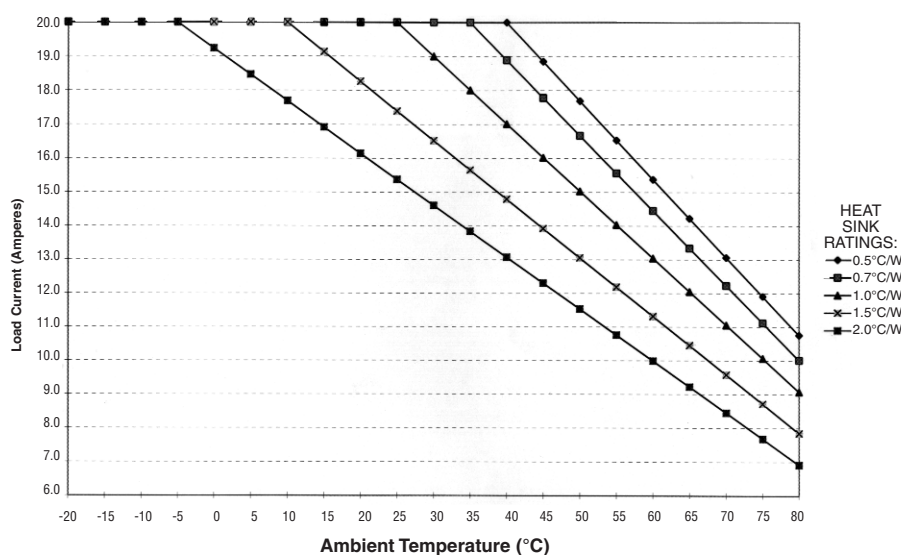
DIMENSIONS:



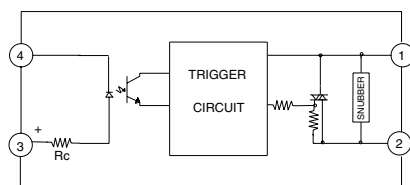
DERATE CURVES: LOW CURRENT STANDARD GZ SSRs
12 AMP



DERATE CURVES: HIGH CURRENT STANDARD GZ SSRs
20 AMP



WIRING:



GZ SERIES DC INPUT
EQUIVALENT CIRCUIT

Products and specifications subject to change without notice.
Consult factory for application assistance.

SOLID STATE RELAYS

GZ SERIES SSR

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INPUT SPECIFICATIONS:

	84132000 84132010 84132400(9) 84132410(9)	84132100 84132110 84132500 84132510	Units
Model Number			
Parameter			
Control Voltage	4-15	4-15	VDC
Drop Out Voltage	1.0	1.0	VDC
Maximum Input Current (1)	32	32	mA
Maximum Turn-On Time	8.33	0.1	ms
Maximum Turn-Off Time	8.33	8.33	ms
Type	Zero Crossing	Random Turn-On	

OUTPUT SPECIFICATIONS:

Model Number	84132000 84132100	84132010 84132110	84132400 84132500	84132410 84132510	Units
Parameter					
Line Voltage	24-280	24-280	36-530	36-530	Vrms
Peak Off-State Voltage (2)	600	600	800	800	Vpeak
Maximum Off-State Leakage (3)	0.1	0.1	0.1	0.1	mArms
Static Off-State dv/dt	250	250	250	250	V/μSec
Minimum On-State Current	0.1	0.1	0.1	0.1	Arms
Maximum On-State Current (4)	12	20	12	20	Arms
Maximum 1-Cycle Surge (5)	120	200	120	200	Apeak
Maximum 1-Second Surge (6)	36	60	36	60	Apeak
Peak On-State Voltage Drop (7)	1.65	1.55	1.65	1.55	Vpeak
I _t (60 Hz, Half-Cycle)	50	50	50	50	A ² sec
R _{jb}	3.0	2.2	3.0	2.2	°C/W

GENERAL SPECIFICATIONS:

Parameter	All Devices
Operating Temperature Range	-20 to 80°C
Storage Temperature Range	-40 to 100°C
Input to Output Isolation Voltage (8)	4000 Vrms
I/O to Ground Isolation Voltage (8)	2500 Vrms
Capacitance (Input to Output)	8 pF
Line Frequency Range	47 to 63 Hz

Notes:

- (1) At 15Vdc.
- (2) Do not apply continuously for over 1 minute.
- (3) At maximum rated voltage.
- (4) Mounted in free air, T_a = 45°C.
- (5) Non-repetitive 60 Hz, Resistive load, T_a = 25°C.
- (6) Non-repetitive 50 or 60 Hz, Resistive load, T_a = 25°C.
- (7) At maximum rated current.
- (8) Limited to 1 mA for 1 second, T_a = 25°C.
- (9) Input current is 63 mA Max.