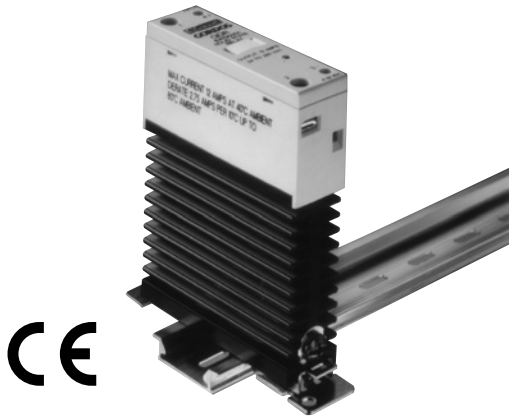


SOLID STATE RELAYS

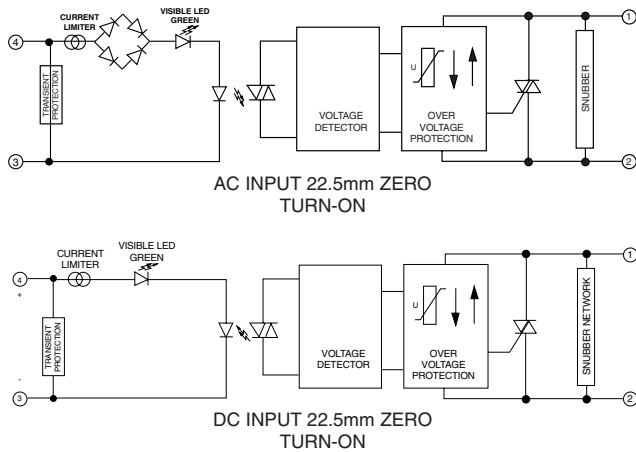
22.5mm DIN-RAIL SSR



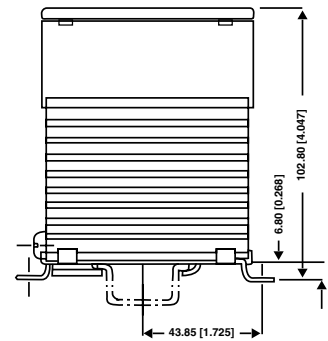
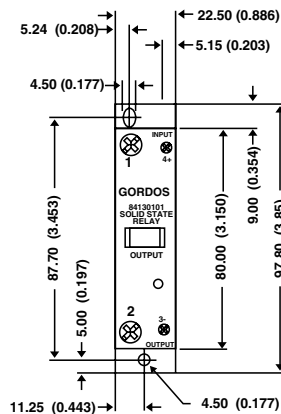
FEATURES:

- DIN-Rail or panel mount.
- Compact Size.
- LED indicator.
- AC or DC control.
- Zero AC turn-on models.
- 12 and 25 Amp Outputs
- UL, cUL Recognized (25 Amp Model: UL Rating 20 Amps)
12 Amp .5 HP @ 240 VAC
20 Amp 1.5 HP @ 240 VAC
- CE Compliant Per EN60950
- UL E79183

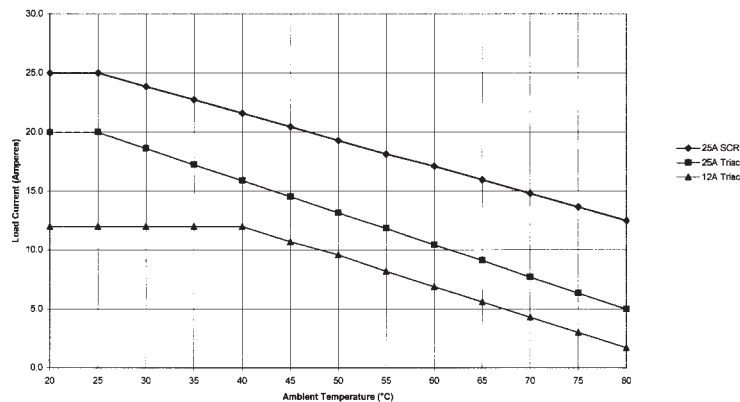
EQUIVALENT CIRCUIT



DIMENSIONS: inches (mm)



DERATE CURVES: 22.5mm Din Rail SSR



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

SOLID STATE RELAYS

22.5mm DIN-RAIL SSR

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INPUT SPECIFICATIONS:

Model Number	84130101	84130150	84130100	84130117	
Parameter	84130103	84130152	84130102		Units
	84130116	84130158	84130118		
Control Voltage	4-32 VDC	90-140 VAC	180-280 VAC	4-32 VDC	
Drop Out Voltage	1.0 VDC	10 VAC	10 VAC	1.0 VDC	
Maximum Input Current (1)	12	6	6	12	mA
Maximum Turn-On Time	8.33	20	20	0.1	ms
Maximum Turn-Off Time	8.33	30	30	8.33	ms
Type	Zero Crossing	Zero Crossing	Zero Crossing	Random Turn-on	
Wire Size	0.00"-0.078"	0.00"-0.078"	0.00"-0.078"	0.00"-0.078"	

OUTPUT SPECIFICATIONS:

Model Number	84130100	84130102	84130116	
	84130101	84130103	84130117	
			84130118	
	84130150	84130152	84130158	Units
Line Voltage	24-280	24-280	48-660	Vrms
Peak Off-State Voltage (2)	600	800	1200	Vpeak
Maximum Off-State Leakage (3)	.1	.1	.25	mA rms
Static Off-State dv/dt (4)	200	600	500	V/μSec
Minimum On-State Current	100	100	100	mA rms
Maximum On-State Current (5)	12	20	25	A rms
Maximum 1-Cycle Surge (6)	250	400	250	A peak
Maximum 1-Second Surge (7)	60	140	75	A peak
Peak On-State Voltage Drop (8)	1.85	1.8	1.6	Vpeak
I ² t (60 Hz, Half-Cycle)	260	600	260	A ² sec
Output Type	TRIAC	ALTERNISTOR	B/B SCR	
Wire Size	0.020"-0.078"	0.020"-0.078"	0.020"-0.078"	

GENERAL SPECIFICATIONS:

Parameter	All Devices
Operating Temperature Range	-20 to 80°C
Storage Temperature Range	-40 to 100°C
Input to Output Isolation Voltage (9)	4000 Vrms
Input/Output to Ground Isolation Voltage (9)	2500 Vrms
Capacitance (Input to Output)	8 pF
Line Frequency Range	47 to 63 Hz

Notes:

- (1) At maximum input voltage. Input is regulated and current limited.
- (2) Do not apply continuously for over 1 minute.
- (3) At maximum line voltage, Ta = 25°C.
- (4) Minimum dv/dt per EIA/NARM R5443, method RS397, 25°C.
- (5) Mounted in vertical position on DIN-Rail. Free Air.
- (6) Non-repetitive 60 Hz, resistive load, Ta = 25°C.
- (7) Non-repetitive 50 or 60 Hz, resistive load, Ta = 25°C.
- (8) At maximum rated current.
- (9) Limited to 1 mA for 1 second, Ta = 25°C.