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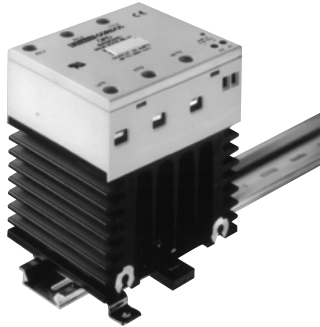


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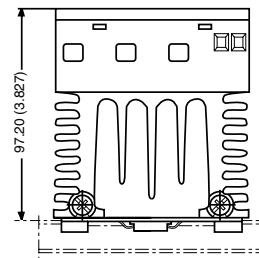
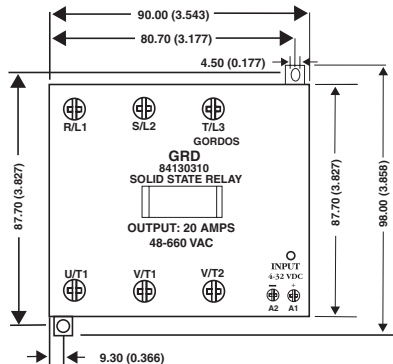
SOLID STATE RELAYS

90mm 2 and 3 PHASE DIN-RAIL SSR

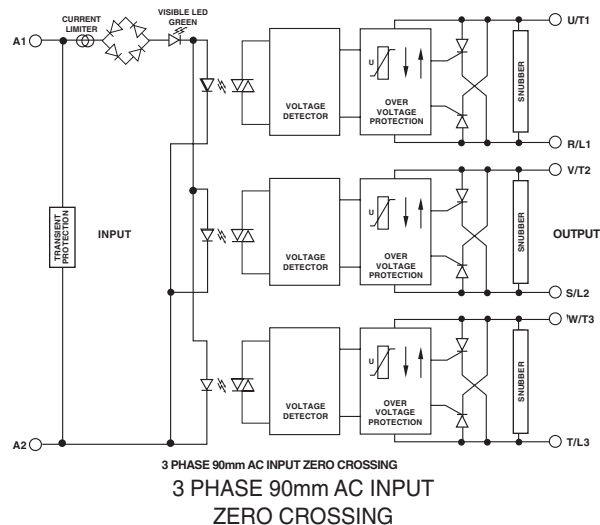
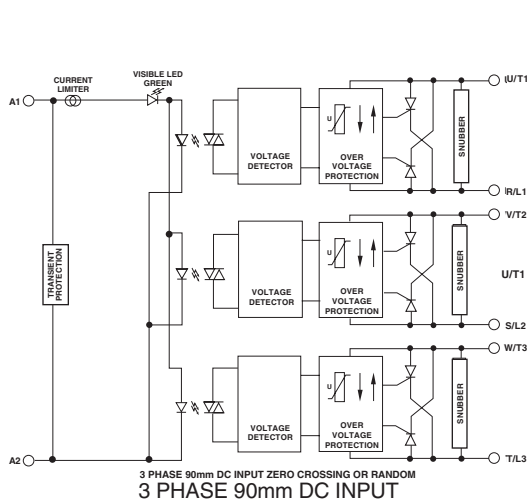


FEATURES:

- DIN-Rail or panel mount.
- Compact Size.
- LED indicator.
- AC or DC control.
- Zero AC or random turn-on models.
- 4 kV optical isolation.
- UL, cUL Recognized (File E79183)
- CE Compliant Per EN60950



DIMENSIONS: inches (mm)
TOLERANCE: ± 0.20 (± 0.008)



NOTE: V/T2 to S/L2 is shorted on 2 phase models.

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

SOLID STATE RELAYS

90mm 2 and 3 PHASE DIN-RAIL SSR

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INPUT SPECIFICATIONS:

Model Number	84130310	84130312	84130311	Units
Parameter	84130220	84130221	84130222	
Control Voltage	4-32 VDC	4-32 VDC	90-280 VAC	
Drop Out Voltage	1.0 VDC	1.0 VDC	10 VAC	
Maximum Input Current (1)	22	22	6	mA
Maximum Turn-On Time	8.33	0.1	20	ms
Maximum Turn-Off Time	8.33	8.33	30	ms
Type	Zero Crossing	Random Turn-on	Zero Crossing	

OUTPUT SPECIFICATIONS:

	<u>Three Phase</u>	<u>Two Phase</u>	
Model Number	84130310	84130220	
	84130311	84130221	
	84130312	84130222	
Parameter			Units
Line Voltage	48-530	48-530	Vrms
Peak Off-State Voltage (2)	1200	1200	Vpeak
Maximum Off-State Leakage (3)	.25	.25	mA rms
Static Off-State dv/dt (4)	500	500	V/μSec
Minimum On-State Current	100	100	mA rms
Maximum On-State Current per phase (5)	20	25	A rms
Maximum 1-Cycle Surge (6)	750	750	A peak
Maximum 1-Second Surge (7)	145	145	A peak
Peak On-State Voltage Drop (8)	1.6	1.6	V peak
I ² t (60 Hz, Half-Cycle)	1000	1000	A ² sec

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)	2000 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, T_a = 25°C.
- (4) Minimum dv/dt per EIA/NARM R5443, method RS397, 25°C.
- (5) Mounted in vertical position on DIN-Rail. Free Air. Derated by 27.3 mA/°C to 80°C.
- (6) Non-repetitive 60 Hz, resistive load, T_a = 25°C.
- (7) Non-repetitive 50 or 60 Hz, resistive load, T_a = 25°C.
- (8) At maximum rated current.
- (9) Limited to 1 mA for 1 second, T_a = 25°C.

DERATING CURVES:
90mm Din Rail SSR

