

Crydom

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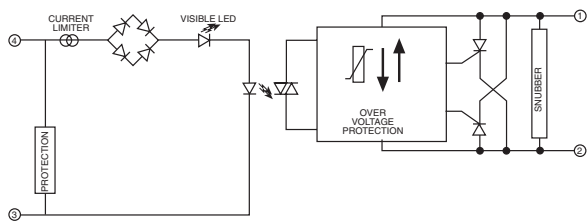
SOLID STATE RELAYS

45mm DIN-RAIL SSR

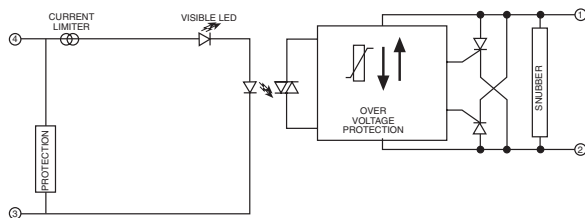


FEATURES:

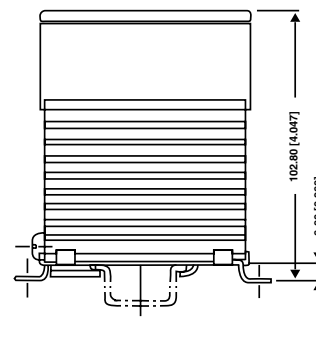
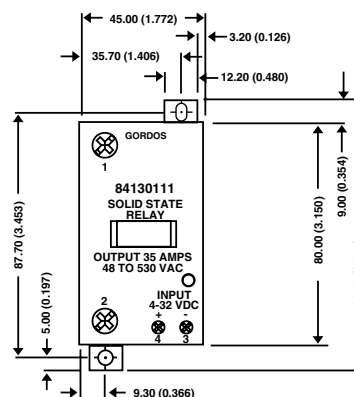
- DIN-Rail or Panel Mount.
- Compact Size.
- LED Indicator.
- AC or DC Control.
- Zero AC or Random turn-on models.
- 35 and 45 Amp Outputs.
- 4 kV Optical Isolation.
- CE Compliant Per EN60950
- UL, cUL Recognized E79183



AC 45mm THREE PHASE
AC INPUT
EQUIVALENT CIRCUIT



DC 45mm THREE PHASE RANDOM
DC INPUT
EQUIVALENT CIRCUIT



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

SOLID STATE RELAYS

INPUT SPECIFICATIONS:

Model Number	84130111	84130112	84130110	
Parameter	84130113	84130114	84130115	Units
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)	10	10	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	
Wire Size	.020"-.078"	.020"-.078"	.020"-.078"	

OUTPUT SPECIFICATIONS:

Model Number	84130110	84130113	
	84130111	84130114	
	84130112	84130115	
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 (5)	35	45	Arms
Maximum 1-Cycle Surge (6)	750	750	Apeak
Maximum 1-Second Surge (7)	145	145	Apeak
Peak On-State Voltage Drop (8)	1.6	1.6	Vpeak
I ² t (60Hz, Half-Cycle)	1000	1000	A ² sec
Wire Size	.040"-.220"	.040"-.220"	

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
I/O 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, 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.
- (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.

