

DATA SHEET

SSS-87

Solid State Loadswitch:

Description:

The PDC SSS-87 Loadswitch series is a tri-pack, modular, solid state relay designed specifically to meet NEMA specifications, as well as California and New York "Model 200" specifications. Each loadswitch contains 3 individually replaceable modules that are enclosed in a dust resistant, metal enclosure providing mechanical protection and excellent heat sinking for the modules. The modules are easily accessible with the use of a screwdriver.

Installation:

The switchpac intermates with any standard NEMA loadbay or with the model 332 cabinet output file. It is easily installed or removed by grasping the handle. Connector P1 pin outs are shown in FIG 1. The connector mates with a Beau S-5412 or equal.

PIN FUNCTION

1	+115VAC, 60 Hz
2	Chassis Ground
3	A Output (Red, Don't Walk)
4	Not Assigned
5	B Output (Yellow)
6	A Input (Red, Don't Walk)
7	C Output (Green, Walk)
8	B Input (Yellow)
9	+24 VDC
10	C Input (Green, Walk)
11	Not Assigned
12	Not Assigned

P1

(P1 as viewed from the outside of the product looking directly at the connector)

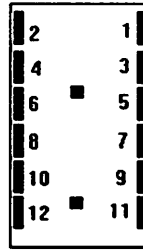


Fig 1.

General Characteristics:

Model -----	SSS-87 Series	
Uses Module # -----	SSR-87	
Meets Specs for -----	Nema, Caltrans & NY (Model 200)	
Load -----	voltage.....	120 VAC
	current (max).....	15.0 Amps (Tungsten Filament Load)
Control Signal -----	voltage.....	+24VDC
	current	20.0 mA (max)
Switching -----	1st alternation after.....	±10 Degrees of line voltage at the zero crossover point.
	signal is applied.	
	Succeeding alterations.....	±5 Degrees of line voltage at the zero crossover point.
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Off State -----	dv/dt.....	100 V per microsecond
	line to load resistance.....	15 K Ohms Min
Isolation -----	leakage current.....	less than 20 mA
	Voltage.....	2500 VDC Min
	resistance.....	10 Meg Ohms Min
Surge Current -----	one cycle.....	175 Amps RMS Min
	one second.....	40 Amps RMS Min
Life operations -----	30 million Min	
Mechanical -----	length.....	8.40 inches
	width.....	1.74 inches
	height.....	4.185 inches
	weight.....	1.135 LBS