



# P1S-AC

Solid State Relay

## AC Inductive load switching

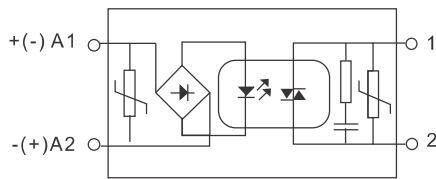
One open contact

**3A @ 24 .... 250V AC,50/60 Hz**



Input	Polarity protec
Range of input voltage	5 ...32 VDC
Drop-out voltage	< 2.5 VDC
Input current	5 ... 15 mA
Current stabilizer	Yes
Peak inrush voltage protection	EC-1000-4-5 level 1

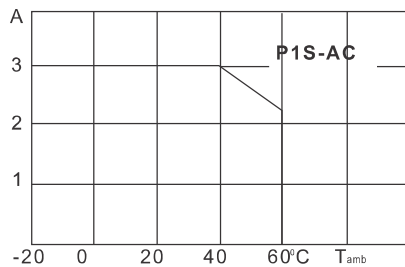
### P1S-AC AC Instantaneous output



### Output, Instantaneous

Max. Output current	3A
Minimum output current	50mA
Max. output voltage	250 VAC
Minimum output voltage	2.4 VAC
Max. drop out voltage	< 1.5 VAC
Max. leakage current at 48 Vdc	0.55 mA
Max. Dv/dt	500 V/us
I <sup>2</sup> t for 10ms. fuse	50 A <sup>2</sup> /s

### P1S-AC Max. AC load VS. amb



### Specifications

DI-electric Strength Input / Output	4 KV / 1min.
Operate Time	1/2 cycle
Release Time	2 ms +1/2 cycle
Working Temperature max.	60°C
Storage temperature	100°C
Weight	28 gr. Max.

### Application

It is specially suitable to switch inductive loads upto 3A / 250V AC In switching loads with a high inrush or over current (max.Di/dt 50us) as transformers, motors or fluorescents, the maximum output current will limit 2A.

### Dimensions in mm.

