

AC Inrush Current Limiter



PSICL AC Inrush Current Limiters Single phase 220/240VAC 12A-25A rating

Applications:

- Inductive & Capacitive Loads
- Isolating Transformers
- Automation Systems & Machinery
- Switching Power Supplies (operated in parallel)
- LED Lighting Systems



The PSICL Series is a range of inrush current limiters designed to protect against unintended fuse or circuit breaker activation caused by peak currents. The benefits can result in reduced cable cross section and the use of smaller and faster circuit breakers. These are not simple NTC devices and feature current control circuits with integrated bypass relays.

| Electrical Specification | | PSICL-1P-12A | PSICL-1P-16A | PSICL-1P-25A |
|--------------------------|------------------------|---------------------------------------|--------------|--------------|
| Model | | PSICL-1P-12A | PSICL-1P-16A | PSICL-1P-25A |
| Input/Output | Input Voltage | 184-265VAC, 50/60Hz | | |
| | AC Rated Current | 12A | 16A | 25A |
| | Limiting Time | 100-500mS | | |
| | Repeat Interval 230VAC | 1000mS | | |
| | Connecting Wire Size | 24-16AWG (0.2-1.5mm ²) | | |
| Environment | Operating Temperature | -40°C to +70°C | | |
| | Storage Temperature | -40°C to +85°C | | |
| Other | Dimensions/Weight | 69 x 90 x 57.5mm / 130g 12A/16A, 143g | | |
| | Cooling | Convection | | |
| | Case Material | Plastic V0 rated | | |
| | Safety | EN60950-1, EN61000-6-2,3, CE, RoHS | | |
| | MTBF Figures | 300,000 Hours | | |

