



SOLID STATE RELAYS

25-100 AMP PANEL MOUNT MODELS

ISO-9001
 MANUFACTURED IN A
 QUALITY SYSTEM CERTIFIED
 FACILITY.

- Life Expectancy - 1 Billion Operations
- Superior Thermal and Surge Ratings
- AC and DC Wide Control Range
- Opto-Isolated 4000 V(RMS)
- Heat transfer pad included with each unit.
- Zero Cross Switching Standard
- Random Turn-on DC input Relays Available to Order
- Relays with Indicator LED or quick connect tabs available to order.



General Description

PCS34 Series premium solid-state power relays incorporate inverse-parallel SCR output devices in the industry standard package with the same highly reliable, noise-immune drive circuitry that has been a feature for more than a decade. Snubbers are included for high dv/dt applications and inductive loads, with a choice of models offering zero-voltage switching to reduce high inrush currents and electrical noise or phase controllable models for random turn-on.

The oversized output chips, together with the optimized thermal management system, allows a narrower band of temperature excursions, resulting in a significant reduction in thermal fatigue, thereby extending relay life. These premium devices are recommended for use in high temperature, highly inductive load situations where the ultimate in thermal and surge performance is required.

DC INPUT MODELS

| PART NO. | MAXIMUM CURRENT | LINE VOLTAGE | CONTROL VOLTAGE | PRICE EACH | |
|--------------|-----------------|--------------|-----------------|------------|---------|
| | | | | 1-4 | 5+ |
| PCS34-D2425 | 25A | 48-280VAC | 3-32VDC | \$26.55 | \$24.50 |
| PCS34-D2440 | 40A | 48-280VAC | 3-32VDC | \$28.25 | \$26.00 |
| PCS34-D2450 | 50A | 48-280VAC | 3-32VDC | \$29.55 | \$27.10 |
| PCS34-D2470 | 70A | 48-280VAC | 3-32VDC | \$32.55 | \$30.10 |
| PCS34-D2480 | 80A | 48-280VAC | 3-32VDC | \$36.25 | \$33.25 |
| PCS34-D24100 | 100A | 48-280VAC | 3-32VDC | \$42.00 | \$38.55 |
| PCS34-D4825 | 25A | 48-530VAC | 3-32VDC | \$27.40 | \$25.30 |
| PCS34-D4840 | 40A | 48-530VAC | 3-32VDC | \$29.75 | \$27.40 |
| PCS34-D4850 | 50A | 48-530VAC | 3-32VDC | \$31.75 | \$29.10 |
| PCS34-D4870 | 70A | 48-530VAC | 3-32VDC | \$34.60 | \$32.00 |
| PCS34-D4880 | 80A | 48-530VAC | 3-32VDC | \$38.55 | \$35.35 |
| PCS34-D48100 | 100A | 48-530VAC | 3-32VDC | \$45.20 | \$41.40 |

AC INPUT MODELS

| PART NO. | MAXIMUM CURRENT | LINE VOLTAGE | CONTROL VOLTAGE | PRICE EACH | |
|--------------|-----------------|--------------|-----------------|------------|---------|
| | | | | 1-4 | 5+ |
| PCS34-A2425 | 25A | 48-280VAC | 90-280VAC | \$30.55 | \$28.25 |
| PCS34-A2440 | 40A | 48-280VAC | 90-280VAC | \$33.10 | \$30.55 |
| PCS34-A2450 | 50A | 48-280VAC | 90-280VAC | \$35.35 | \$32.45 |
| PCS34-A2470 | 70A | 48-280VAC | 90-280VAC | \$39.20 | \$36.25 |
| PCS34-A2480 | 80A | 48-280VAC | 90-280VAC | \$43.60 | \$40.00 |
| PCS34-A24100 | 100A | 48-280VAC | 90-280VAC | \$50.25 | \$46.20 |
| PCS34-A4825 | 25A | 48-530VAC | 90-280VAC | \$34.60 | \$32.00 |
| PCS34-A4840 | 40A | 48-530VAC | 90-280VAC | \$37.20 | \$34.25 |
| PCS34-A4850 | 50A | 48-530VAC | 90-280VAC | \$39.60 | \$36.50 |
| PCS34-A4870 | 70A | 48-530VAC | 90-280VAC | \$42.70 | \$39.20 |
| PCS34-A4880 | 80A | 48-530VAC | 90-280VAC | \$44.70 | \$40.85 |
| PCS34-A48100 | 100A | 48-530VAC | 90-280VAC | \$51.50 | \$47.50 |

ALWAYS USE A HEAT SINK AND HEAT SINK COMPOUND OR HEAT TRANSFER PAD BETWEEN THE RELAY AND HEAT SINK FOR PROPER HEAT DISSIPATION. HEAT SINKS AND HEAT SINK COMPOUND AVAILABLE - SEE BEYOND.



UL Approved Clear Polycarbonate Protective Cover
 Part No. SSR100 \$1.25 ea.



Heat Transfer Pads - 10 Pack
 (use instead of heat sink compound)
 Part No. HTP100-10 \$2.90 pk.



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