

## SERIES 1 240 VAC

D2450K-10

Panel Mount SSR 280V ac 50A, 3-32V dc In, Inst.



- Load current 10 - 125 A
- Operating voltage 24-280 VAC
- Control voltage 90-280 VAC, 4-32 VDC and 18-36 VAC



### PRODUCT DESCRIPTION

Crydom's signature family of solid state relays. Ratings from 10A to 40A @ 24-140 VAC, 12A to 90A @ 80-530 VAC and 10A to 125A @ 24-280 VAC - SCR output for heavy industrial loads - AC or DC control - zero voltage (resistive loads) or random-fire (inductive loads) output - LED input status indicator optional.

- Ratings from 10A to 125A @ 24-280 VAC
- SCR output for heavy industrial loads
- Zero voltage or instantaneous turn-on outputs
- UL/CSA/VDE Approved, CE Compliant to EN60950-1
- Improved SEMS screw and washer
- Redesigned housing with anti-rotation barriers
- AC or DC control
- Direct bond copper substrate
- EMC compliant to Level 3
- Direct power lead frame
- Epoxy free design

### TECHNICAL DATA

#### OVERVIEW

|                 |                       |
|-----------------|-----------------------|
| Output current  | 50 A                  |
| Output voltage  | 24-280V ac            |
| Control voltage | 4-32V dc              |
| Connection      | Screw connection      |
| Type of control | Instantaneous turn on |

OUTPUT SPECIFICATION

|                 |            |
|-----------------|------------|
| Output voltage  | 24-280V ac |
| Number of poles | 1          |

INPUT SPECIFICATION

|                   |          |
|-------------------|----------|
| Control voltage   | 4-32V dc |
| Input current min | 7 mA     |
| Input current max | 12 mA    |

GENERAL SPECIFICATION

|                             |         |
|-----------------------------|---------|
| Temperature operational min | -40 °C  |
| Temperature operational max | 80 °C   |
| Storage temperature max     | 125 °C  |
| Storage temperature min     | -40 °C  |
| Weight                      | 74.9 g  |
| Height                      | 57.3 mm |
| Width                       | 44.5 mm |
| Depth                       | 26.4 mm |
| LED indication              | N/A     |



