

# D2410 Crydom 10A 280VAC Panel Mount Solid State Relay Datasheet



**Brand:** Crydom

**SKU:** [756462546020](#)

**Category:** Relays & Contactors

**Price:** **\$58.57**

**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

**Web:** <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/d2410-crydom-10a-280vac-panel-mount-solid-state-relay>

## Product Description

Crydom D2410 is a panel-mounted solid state relay featuring a 10 A maximum load current, 24 to 280 VAC operating voltage, and a 3 to 32 VDC control voltage range. Housed in a standard hockey puck enclosure with anti-rotation barriers, this component utilizes an SCR output architecture engineered for heavy industrial loads. The unit incorporates screw terminals for secure wiring, delivers 4000 Vrms of I/O optical isolation, and operates utilizing a zero-voltage turn-on switching mechanism to minimize electromagnetic interference.

### D2410 Specifications

Model Number: D2410

Brand: Crydom (Sensata Technologies)

Product Category: Solid State Relay (SSR)

Contact Configuration: SPST-NO (1 Form A)

Maximum Load Current: 10 A

Operating Voltage Range: 24 to 280 VAC

Control Voltage Range: 3 to 32 VDC

Transient Overvoltage: 600 Vpk

Maximum 1-Cycle Surge Current (50/60 Hz): 115 / 120 Apk

Maximum On-State Voltage Drop: 1.15 Vrms

Maximum Off-State Leakage Current: 1 mArms

Minimum Off-State dv/dt: 500 V/ $\mu$ sec

Thermal Resistance (Junction to Case): 1.03 °C/W

Maximum 1/2 Cycle I<sup>2</sup>t for Fusing (50/60 Hz): 66 / 60 A<sup>2</sup>sec

Minimum Power Factor: 0.5

I/O Isolation Voltage: 4000 Vrms

Switching Mode: Zero Voltage Turn-On (Zero Crossing)

Mounting Type: Panel Mount

Termination Style: Screw Terminal

Housing Style: Hockey Puck with Anti-Rotation Barriers

Operating Temperature Range: -40 °C to 80 °C

Ambient Temperature Range: -40 °C to 80 °C

Approvals / Certifications: UL, CSA, VDE, CE, RoHS

#### D2410 Applications

Primary applications include integration into packaging equipment, commercial food and beverage dispensers, and textile manufacturing machinery. Deployed within CNC spindle cooling systems, HVAC control panels, and automated test equipment, the relay provides precise thermal management and motor control. The component is also utilized in medical diagnostic hardware and industrial lighting arrays requiring high-cycle switching.

## Supplemental Images

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