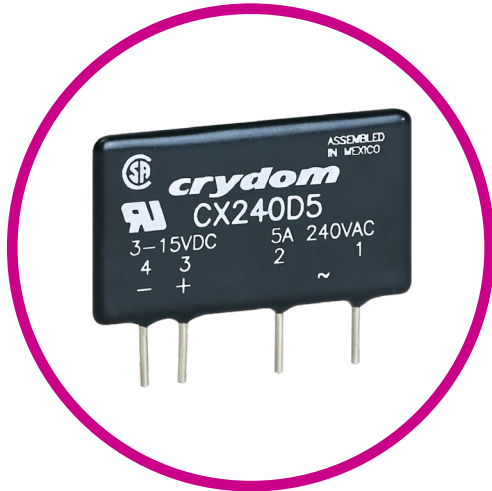




CX-B | SERIES

PCB MOUNT



Features

- SCR Output
- NC (Normally Closed) Configuration
- Ultra High Surge Rating
- Crydom's Patented Design



PRODUCT SELECTION

| | |
|-----------------|-----------|
| Control Voltage | 5A |
| 4-38 VDC | CX240D5-B |



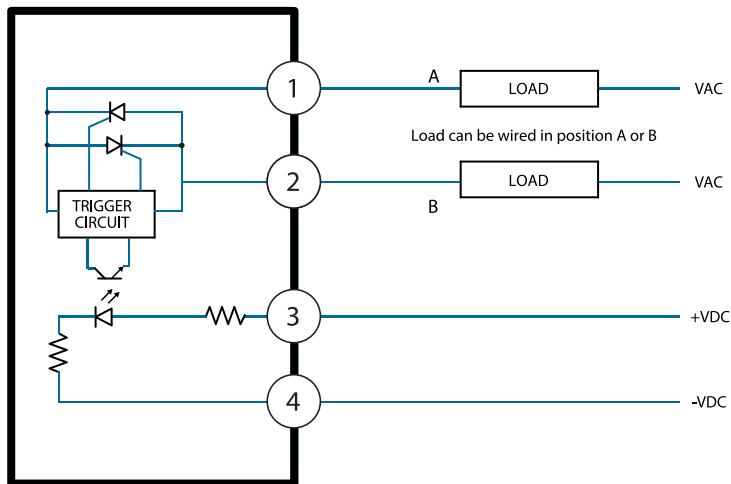
SPECIFICATIONS

Output⁽¹⁾

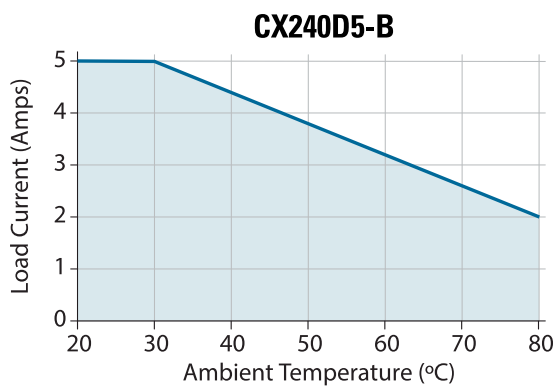
| Description | CX240D5-B |
|--|-----------|
| Operating Voltage (47-63Hz) [Vrms] | 12-280 |
| Transient Overvoltage | 600 |
| Maximum Off-State Leakage Current @ Rated Voltage [mA _{rms}] | 5.0 |
| Minimum Off-State dv/dt @ Maximum Rated Voltage [V/μsec] ² | 500 |
| Maximum Load Current [Arms] | 5 |
| Minimum Load Current [Arms] | 0.06 |
| Maximum Surge Current (16.6msec) [A _{pk}] | 250 |
| Maximum On-State Voltage Drop @ Rated Current [V _{pk}] | 1.4 |
| Maximum I ² t for Fusing (8.3msec) [A ² sec] | 260 |
| Minimum Power Factor (at Maximum load) | 0.5 |



WIRING DIAGRAM



THERMAL DERATE INFORMATION



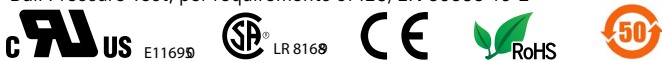
GENERAL NOTES

- (1) All parameters at 25°C unless otherwise specified.
- (2) Off-State dv/dt test method per EIA/NARM standard RS-443, paragraph 13.11.1
- (3) Turn-On time for random turn-on versions is 0.01 msec (DC control Models).
- (4) Terminals are not suitable for bending or forming process.



AGENCY APPROVALS & CERTIFICATIONS

Designed in accordance with the requirements of IEC 62314
 IEC60335-1: Resistance to heat and fire meets the requirements of section 30, evaluated by TUV SUD.
 Glow Wire Test, per requirements of IEC/EN 60695-2-10 and IEC/EN 60695-2-11
 Ball Pressure Test, per requirements of IEC/EN 60695-10-2





WARNINGS



RISK OF MATERIAL DAMAGE AND HOT ENCLOSURE

- The product's side panels may be hot, allow the product to cool before touching
- Follow proper mounting instructions including torque values
- Do not allow liquids or foreign objects to enter this product

Failure to follow these instructions can result in serious injury, or equipment damage.



HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- Disconnect all power before installing or working with this equipment
- Verify all connections and replace all covers before turning on power

Failure to follow these instructions will result in death or serious injury.

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