



CKM SERIES
DIN RAIL MOUNT



Features

- Ratings from 10A to 30A @ 60 VDC
- Slim 22.5mm (width) package
- Low Leakage MOSFET Output
- LED input status indicator
- DC control
- DIN Rail and Panel Mount

PRODUCT SELECTION

Control Voltage	10 A	20 A	30 A
4-32 VDC Control	CKM0610	CKM0620	CKM0630

OUTPUT SPECIFICATIONS⁽¹⁾

Description	CKM0610	CKM0620	CKM0630
Operating Voltage [VDC]	0-60	0-60	0-60
Maximum Off-State Leakage Current @ Rated Voltage [mA]	0.1	0.1	0.1
Maximum Load Current [ADC]	10	20	30
Maximum Surge Current (10msec) [ADC]	30	60	90
Maximum On-State Voltage Drop @ Rated Current [VDC]	0.2	0.4	0.5
Maximum On-state Resistance @ Rated current (RDS-ON) [ohms]	0.02	0.018	0.016

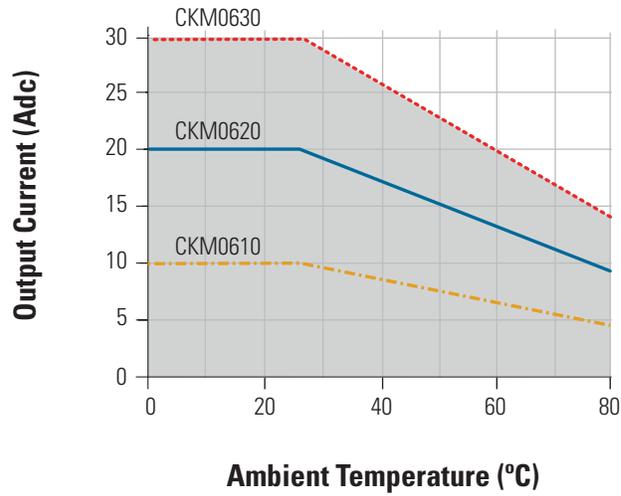
INPUT SPECIFICATIONS⁽¹⁾

Description	Parameters
Control Voltage Range	4.0-32 VDC
Minimum Turn-On Voltage	4.0 VDC
Minimum Turn-Off Voltage	1.0 VDC
Maximum Input Current ⁽²⁾	9 mA @ 5 VDC, 11 mA @ 32 VDC
Maximum Turn-On Time [msec]	1.0
Maximum Turn-Off Time [msec]	1.0

GENERAL SPECIFICATIONS⁽¹⁾

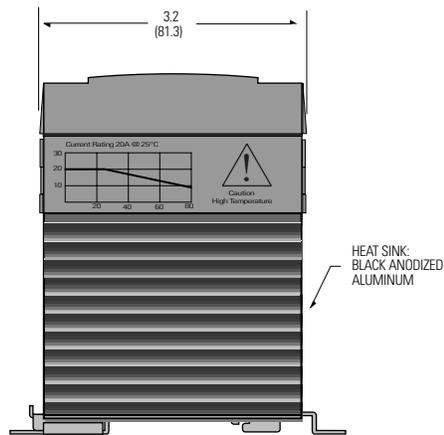
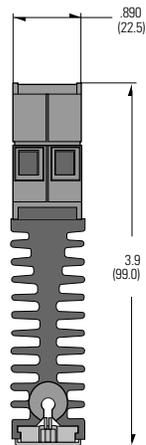
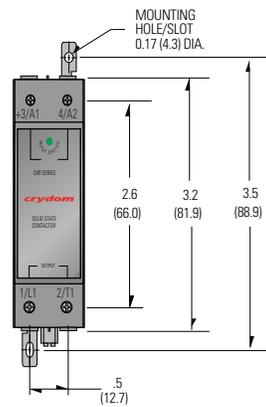
Description	Parameters
Dielectric Strength, Input/Output/Base (50/60Hz)	2500Vrms
Minimum Insulation Resistance (@ 500 V DC)	10 ⁸ Ohms
Maximum Capacitance, Input/Output	8 pF
Ambient Operating Temperature Range	-40°C to 80°C
Ambient Storage Temperature Range	-40°C to 125°C
Status Indicator Display	Green LED
Weight (typical)	10 oz. (280g)
Encapsulation	Thermally Conductive Epoxy
Terminals	Box Clamp Type
Maximum Wire Size	AWG # 10 (3mm)
Recommended Terminal Screw Torque Range	5.0-6.0 in lb (0.6-0.7 Nm)
Min. Side by Side Spacing	0.8 inch (20mm)

● THERMAL DERATE INFORMATION

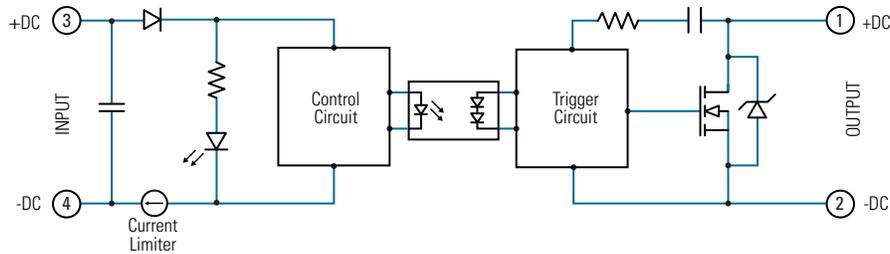


● MECHANICAL SPECIFICATIONS

Tolerances: ±0.02 in / 0.5 mm
All dimensions are in: inches [millimeters]



EQUIVALENT CIRCUIT BLOCK DIAGRAM



AGENCY APPROVALS & CERTIFICATIONS

Designed in accordance with the requirements of IEC 62314.



GENERAL NOTES

- 1) All parameters at 25°C unless otherwise specified.
- 2) Input circuitry for incorporates active current limiter.

NOTE: Inductive loads should be diode suppressed.

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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