

Thyristor modules



DCTM3 400...

Order code	Step description	Qty per pkg	Wt
		n°	[kg]
DCTM3 400 030	30-kvar step module, 400...480VAC	1	4.300
DCTM3 400 050	50-kvar step module, 400...525VAC	1	4.300
DCTM3 400 100	100-kvar step module, 400...525VAC	1	5.600

Power rating available depending on voltage

	DCTM3 400 030	DCTM3 400 050	DCTM3 400 100
Current Ie [A]	43A	72A	144A
Voltage [VAC]	Power [kvar]	Power [kvar]	Power [kvar]
400	30	50	100
440	33	55	110
480	36	60	120
525	—	66	131

General characteristics

- Suitable for dynamic (fast) power factor correction
- Capacitor switching at current flow zero-crossing
- Protection against high in-rush currents at capacitor switching
- Protection against over temperature obtained by the built-in sensor.

Operational characteristics

- 30-kvar, 50-kvar and 100-kvar steps
- Rated operational voltage:
 - 400-480VAC for DCTM3 400 030 type
 - 400-525VAC for DCTM3 400 050 and DCTM3 400 100 types
- Auxiliary fan power supply: 230VAC (DCTM3 400 100 only)
- Rated frequency: 50/60Hz
- Control circuit input range: 8-30VDC
- Controlled phases: 2
- Forced ventilation: DCTM3 400 100 only
- Ambient conditions
 - Operating temperature: -10...+45°C
 - Use at higher temperatures with power derating, refer to page 23-17
 - IEC degree of protection: IP10.

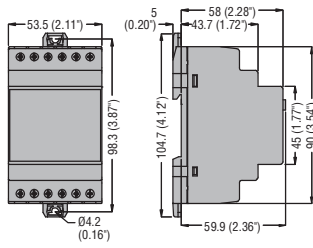
INDICATIONS

- Auxiliary power on
- Over temperature alarm
- Trigger LED.

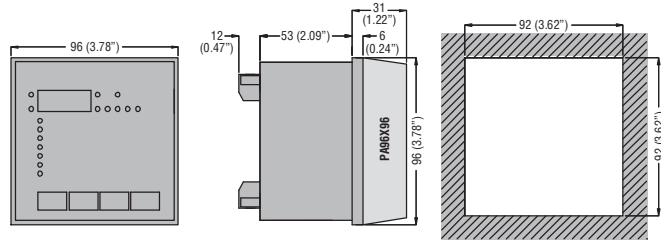
Reference standards

Compliant with standards: EN 50178.

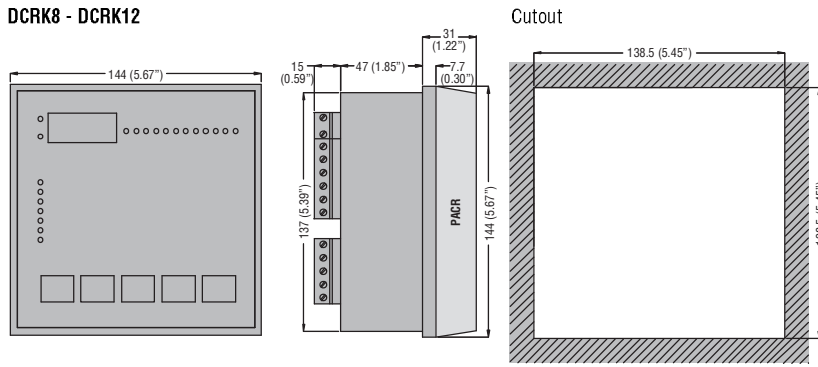
REACTIVE CURRENT CONTROLLER DCRM 2



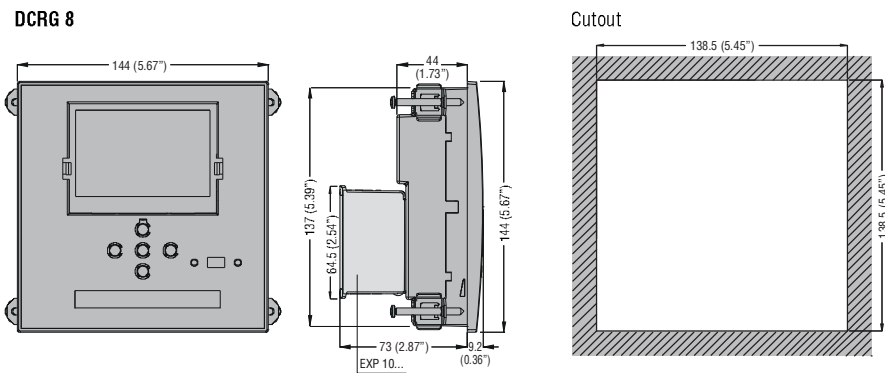
POWER FACTOR CONTROLLERS DCRK 3 - DCRK5 - DCRK7



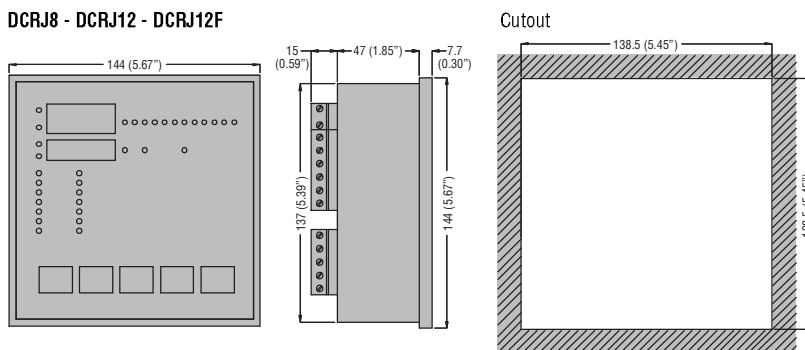
DCRK8 - DCRK12



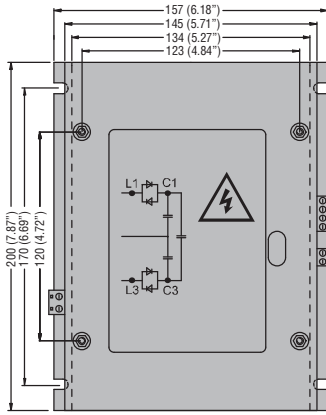
DCRG 8



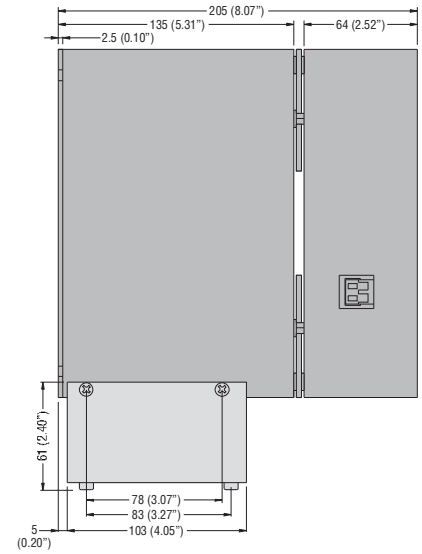
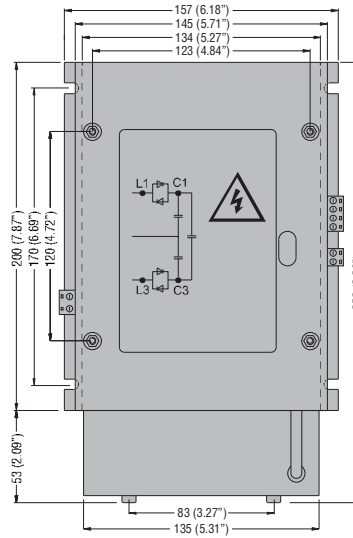
DCRJ8 - DCRJ12 - DCRJ12F



THYRISTOR MODELES DCTM3 400 030 - DCTM3 400 050



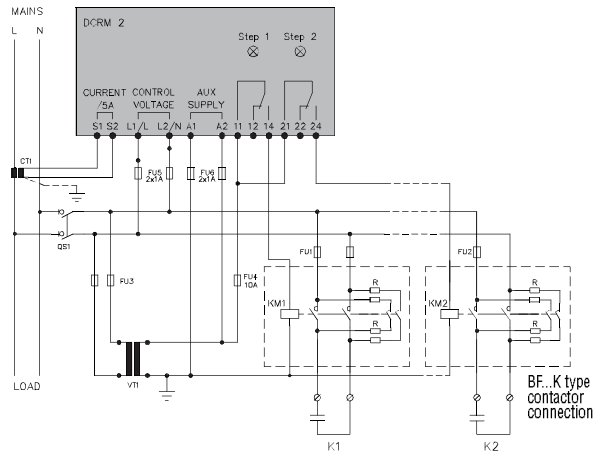
DCTM3 400 100



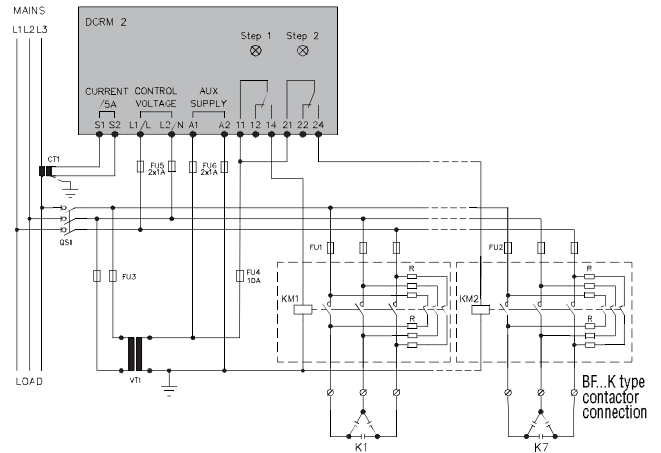
Wiring diagrams

REACTIVE CURRENT CONTROLLER DCRM 2

Single-phase connection



Three-phase connection



THYRISTOR MODELES DCTM3 400...

