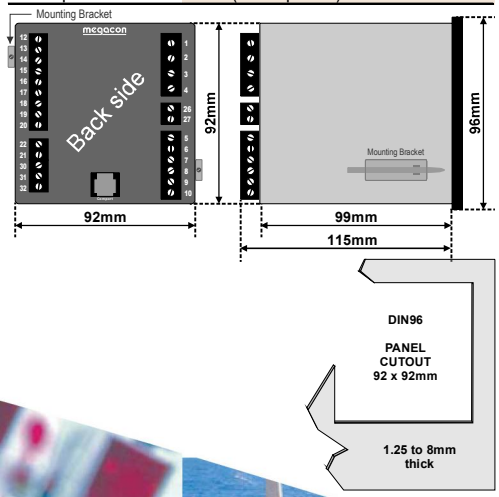
THREE PHASE AC OVERCURRENT GUARD

KEC112x

- **Generator Overcurrent Protection with definite time trip delay**
- **Triple relay operation give more flexibility**
- **Independent ammeter with Full Load Current (FLC) mark on scale**
- **Fast analogue mA output (F version)**

Specifications

Auxiliary Supply:	100-120V, 220-240V, 380-415V or 440-460VAC 40-70Hz (Fuse 0,5A)
Optional Auxiliary Voltage:	24VDC (Fuse 2A)
Current Input:	1A CT or 5A CT, <0,1VA
Contact rating:	AC: 100VA - 250V/2A max. DC: 50W - 100V/1A max.
Adjustments:	Trip level Warning: 0-150% of FSD Trip time Warning: 0-30 Sec Trip level Alarm: 0-150% of FSD Trip time Alarm: 0-30 Sec Hysteresis: 2-50%
Option:	Generator FLC: 50% of FSD
Analogue output: (only on F-versions)	Up to 20mA, max 500R Up to 10V, min 100kohm (other on request)
Temperature:	-20 to +70ºC
Weight:	0.6kgs
Front protection:	IP54 (IP65 optional)



Description

KEC112E is an Overcurrent guard for Overload protection of AC generators, motors, transformers etc. for alarms or tripping of non-essential load or breaker.

True RMS measurement not affected by heavily distorted waveforms provides highest up precision (1.0%) protection.

The F-version has an fast analogue has less then 50mS response time.

The independent class 1,5 moving iron ammeter input (term. 26 & 27) **MUST** be externally connected or switched to read individual phase currents. User settable trip levels and delays.

Option: 100% Generator Full Load Current (FLC) can be adjusted on the rear of the instrument.

Colour of LEDs indicates alarm status. LEDs flash during count-down.

The unit meets IEC60092-504 and the relevant environmental and EMC tests specified in IEC60068/60092 and IEC61000/60533 respectively, to comply with the requirements of the major Classification Societies.

(E is the standard version)

	O/C 1	O/C 2	Fail safe	Latch
R1	√			*√
R2		√	√	*√
R3	√	√		*√

Notes:
Relays shown de-energised
R2 is fail-safe and energises when unit is powered

OC1 = Warning
OC2 = Alarm

Models	Latch	Output
KEC112E	-	-
KEC112F	-	X
KEC112G*	X	-
KEC112GF*	X	X