Comadan WE ARE IN CONTROL

LOAD GUARD RP81

RP81-1-3-400
BELASTNINGSRELÄ COSFI 3X400V



- Load guard for 3-phase motors
- Power factor metering
- Adjustable time delay 0-20 sek. at motor start
- Selectable release of relay at max. or min. load
- 1-pole relay output 8A / 250 VAC

PRODUCT DESCRIPTION

C-mac® module type RP81 is used for load monitoring of 3-phase motors, as the phase angle (cos) between motor current and -voltage changes in proportion to the mechanical load of the motor. You will see the biggest change in phase angle, if the motor is loaded between 0 and 60% of nominal load, which makes the RP81 suitable for monitoring of V-belts, pumps running dry, etc.

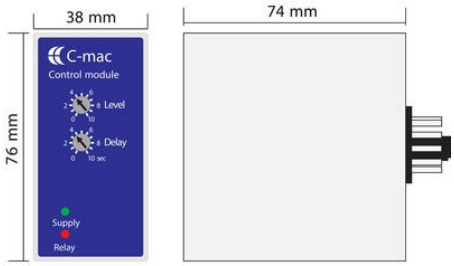
RP81 can be connected directly to motors with nominal current up to 6 A. If the current is bigger, you use a standard current transformer .

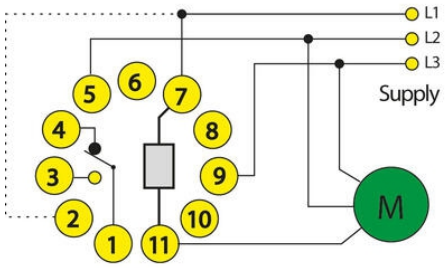
SPECIFICATIONS

Measuring Range	0,5-6A
Time Delay Start	0-20 s

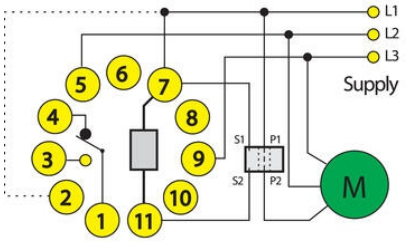
Temperature range from	-20 °C
Temperature range to	60 °C
Weight	110 g
Approvals	CE

Power supply V AC	400 V AC
Depth	74 mm
Frequenze	40-70Hz
Width	38 mm
Height	76 mm
Materials Cover	Noryl





Example 1: without current transformer.
(motor current smaller than 6 A)



Example 2: With current transformer.
(motor current bigger than 6 A)

Note: the current transformer must be connected as shown (P1 / P2 and S1 / S2)

Phase angle (cos φ)

