

3-phase monitoring of phase-neutral voltages
Built-in adjustable time-delay
Separate adjustments for minimum and maximum limits
1-pole relay output 8 A / 250 V AC
AC supply voltages up to 3 x 415 VAC
Made in accordance with the CE and EMC regulations



The C-mac® module type RP33 meters its own 3-phase supply voltage, and checks that all 3 phase-neutral voltages are within the adjusted limits, and in that case, the output relay is activated.

If one or more of the voltages are over or under the limits for a period of time, which exceeds the set delay, the relay releases.

The module can operate from 80 to 120% of the nominal supply voltage.

NOTE:

The unit can only be used at 3 phases plus neutral. If neutral is not available, monitoring module type RP30 must be used instead.

Technical data:

Supply voltage: 3 x 230 V +/- 20%
 3 x 380 V +/- 20%
 3 x 400 V +/- 20%
 3 x 415 V +/- 20%

Supply frequency: 45-75 Hz

Power consumption: 2,5 VA

Operation temp.: -20°C to +60°C

Humidity: 0 - 90% RH, non-condensing

Adjustments:
 Upper limit: Potentiometer, scale 105 to 120%
 Lower limit: Potentiometer, scale 80 to 95%
 Time-delay: Potentiometer, scale 0 to 10 sec.

Accuracy, scale:
 Upper and lower limit: 5 %
 Time-delay: 20 %

Hysteresis: 1% factory set.

Indications:
 Green LED: Supply voltage connected
 Red LED: Relay aktive

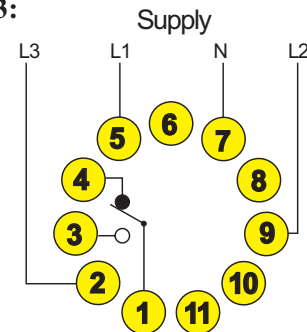
Max. load, relay: 1-pole: 8 A - 250 VAC, ohmic load

EMC and safety regulations.

Emmision: EN 50 081 - 1
Immunity: EN 50 082 - 2
Safety: EN 60 730

Approvals: The units are produced in accordance with the CE og low voltage regulations.

Connections RP33:



Ordering guide RP33:

Supply	Type no.
3 x 230 V (phase-phase)	RP33-1-3-230
3 x 380 V (phase-phase)	RP33-1-3-380
3 x 400 V (phase-phase)	RP33-1-3-400
3 x 415 V (phase-phase)	RP33-1-3-415

Materials and weight:

Housing: NORYL-SE-1, grey, self-extinguishing
Housing bottom: NORYL SE-1, GFN-2, black, self-extinguishing
Terminals: Nickel-plated brass
Weight: 190 g