

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:

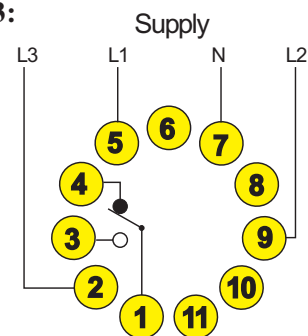
Supply voltage:	3 x 230 V +/- 20%
	3 x 380 V +/- 20%
	3 x 400 V +/- 20%
	3 x 415 V +/- 20%
Supply frequency:	45-75 Hz
Power consumption:	2,5 VA
Operation temp.:	-20°C to +60°C
Humidity:	0 - 90% RH, non-condensing
Adjustments:	
Upper limit:	Potentiometer, scale 105 to 120%
Lower limit:	Potentiometer, 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