3-phase phase sequence / phase breaking module
Monitors correct phase sequence
Secures against phase breaking
AC supply voltages up to 3 x 415 VAC
1 – or 2 pole relay output

C-mac ® RP32 measures on its own 3-phase supply voltage, and checks that all 3 phases are present and the phase sequence is correct, and in that case the output relay is activated.

The module is suitable for the monitoring of motors, as it ensures correct rotation, and in case of a missing phase the relay releases, provided that the possible regenerated voltage from the motor is below the fixed minimum limits.

The module can be used both with and without neutral, but with neutral the unit is most sensitive

| Technical data:		
Supply:	3 x 230 V +/- 15 % 3 x 380 V +/- 15 % 3 x 415 V +/- 15 %	
Supply frequency:	45 til 75 Hz	
Power consumption:	2,5 VA	
Operation temp.:	-20°C til +60°C	
Humidity:	0 - 90% relative luftfugtighed, ikke-kondenserende	
Indstilling:	Potentiometer, skala 5 til 25 %	
Indications:	Green LED:	Supply voltage connected
	Red LED	Relay aktive
Hysteresis	2 % af nominel spænding	
Reaction delay:	Ca. 0,2 sek.	
Max. load, relay:	1 - polet 8 A - 250 VAC	
	2 – polet 5 A – 250 VAC (RP32.1)	
	Ohmic belastning	

Sensitivity:
If the unit is connected to 3 phases with neutral, the relay will release, if one or more of the phase - neutral voltages is lower than 75-85% of the nominal voltage. If the unit is connected to 3 phases without neutral, the relay will release, if one or more of the phase-phase voltages is lower than 60 - 70% of the nominal voltage
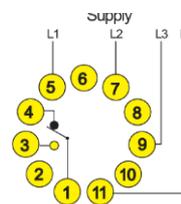
Ordering guide		
Type	Relay	Supply
RP32 RP32-1	1 = 1 polet 2 = 2 polet (kun RP32.1)	3-220 = 220 VAC
		3-380 = 380 VAC
		3-415 = 415 VAC (fase - fase spændinger)
Eksempel:	RP32.1-2-3-400	
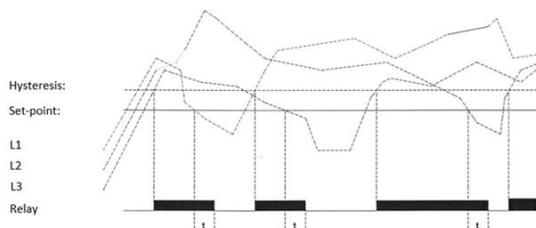
Connections:

Connections RP32   RP32.1 1-pole   2-pole

Functional diagram
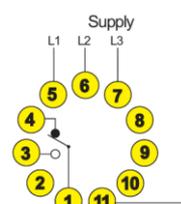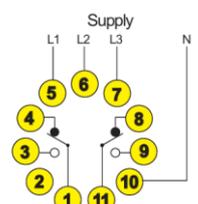
EMC og safety regulations.
Emmision:	EN50081-1
Immunity:	EN50082-2
Safety:	EN60730

Materials and Weight
Housing:	NORYL-SE-1, grey, self-extinguishing
Housing bottom:	NORYL SE-1, GFN-2, Black self-extinguishing
Terminaler:	Nickel-plated brass
Vægt:	110 g