

INDUSTRIAL LINE

BREAKERMATIC®

PROTECTORES ELECTRÓNICOS PARA, REFRIGERACIÓN, MOTORES e ILUMINACIÓN



BREAKERMATIC® 3FASES D RST+N, can be configured to monitor line voltages (phase-phase voltages) in 3-wire connection or phase voltages (phase-neutral voltage) in 4-wire connection, to protect both machines in delta or star, as complete systems with phase-neutral loads. It detects faults due to loss or absence of a phase, reversal of the direction of rotation, faults in frequency, high or low voltages, blackouts, unbalance (in 3 wires) or loss of neutral in 4 wires. It has settings to configure the disconnection voltages, the reconnection delay time and the unbalance limit. The output relay allows controlling an external contactor or any stop signal that allows stopping the machine. The disconnection operation is automatic and resetting after a fault can be performed automatically or manually. It has 5 LEDs that show the failures and the status of the protector. A transparent lid allows you to secure the settings to prevent tampering by the end user. The mounting of the protector can be done using an omega rail (DIN Rail), for electrical panels or directly to a wall, through built-in fixing hooks.

IDEAL FOR: • Control panels • Hydropneumatic pump. • Three-phase lifts and motors • Refrigeration and ventilation equipment • Illumination systems • Industrial transport.

FEATURES: • Protection against: low voltage, high voltage, blackouts, absence of a phase, unbalance between phases (3 wires), loss of neutral (4 wires), frequency deviations and reversal of the direction of rotation • Configurable waiting cycle that allows system stabilization and load start sequencing • 4 LEDs to show the status of the protector • 4 Adjustment Knobs • Transparent and sealable adjustment cover • Fully automatic or manual operation • Installation: wired, requires qualified technical personnel.

"Click"
to see

AVAILABLE MODELS / TECHNICAL SPECIFICATIONS



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BREAKERMATIC® 3FASES D RST+N / CONNECTION DIAGRAM:

A dry, ventilated place that allows the visualization of the panel of your BREAKERMATIC® equipment and proceed with the installation as indicated below:

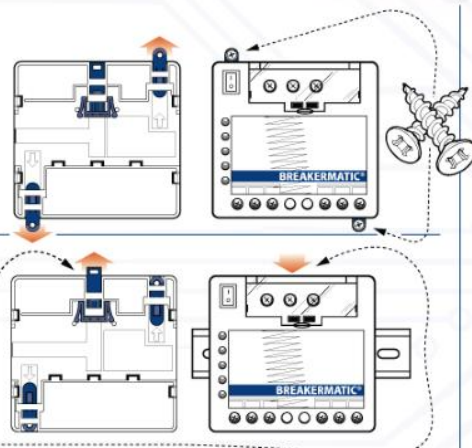
1. Assembly:

Option "A" (with Hooks or Tabs)

- Slide the tabs or hooks until it "Clicks".
- Secure the computer to the board or chassis using screws.

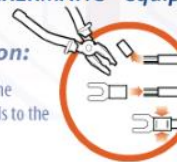
Option "B" (on DIN Rail)

- Raise the tab.
- Fit on the DIN Rail.
- Lower the tab to the stop on the housing to secure the shield.



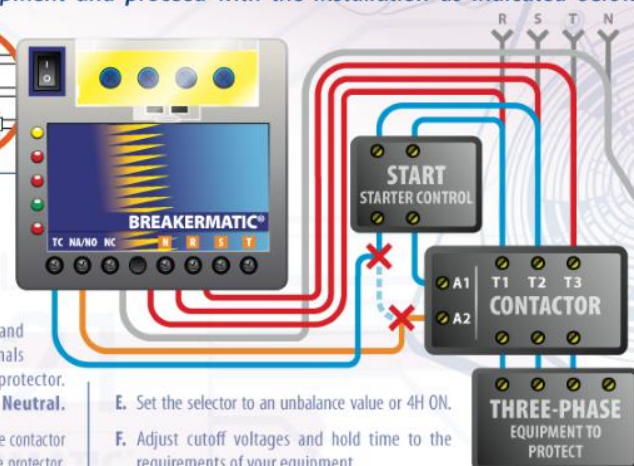
2. Preparation:

"Firmly" attach the supplied terminals to the power cables.



3. Installation:

- Connect your three-phase equipment to the contactor terminals T1, T2 and T3, connect directly the Neutral.
- Take a branch of the three-phase line and connect it to the R, S and T terminals of the protector. Optionally you can connect the Neutral.
- Disconnect the wire from terminal A2 of the contactor coil and connect it to the TC terminal of the protector.
- Connect the NO terminal of the protector to terminal A2 of the contactor.



- Set the selector to an unbalance value or 4H ON.
- Adjust cutoff voltages and hold time to the requirements of your equipment.
- Set the selector to zero (0) to reconnect in automatic mode or to 1 for reconnect in manual mode.

AVAILABLE MODELS / TECHNICAL SPECIFICATIONS

Código	Nominal Voltage (VAC)	Maximum Current (Control Relay)	Disconnection Voltages				Contact Type	Ignition Delay (min / sec)	Response Time (sec)	Unbalance Disconnection	Adjustable Voltage
			IN 3-PHASES + NEUTRAL MODE		IN 3-WIRE MODE						
			Low V. Cut-Off	High V. Cut-Off	Low V. Cut-Off	High V. Cut-Off					
PTE208-MD0EST *	208 - 220VAC *	5A	80 - 115VAC ± 3% *	115 - 150VAC ± 3% *	150 - 210VAC ± 3% *	220 - 280VAC ± 3% *	DRY RELAY	0:05 - 6:00 *	1.5	3% - 20%	YES
PTE380-MD0EST *	380 VAC	5A	180 - 215 VAC ± 3% *	225 - 260 VAC ± 3% *	308 - 380 VAC ± 3% *	392 - 464 VAC ± 3% *	DRY RELAY	0:05 - 6:00 *	1.5	3% - 20%	YES
PTE440-MD0EST *	440 - 480VAC *	5A	180 - 250 VAC ± 3% *	260 - 330 VAC ± 3% *	320 - 440VAC ± 3% *	460 - 580VAC ± 3% *	DRY RELAY	0:05 - 6:00 *	1.5	3% - 20%	YES
Frequency: 60Hz.		Input Connection: 4-Contact Terminal Block (3-PHASES + NEUTRO)			Output Connection: 3-Contact Terminal Block		Dimensions (mm): 111 X 103 X 43			Weight (g): 210	

(*) Adjustable.