



LA5

The **Electro 11 pin** plug-in range of control and timing devices are to be installed into a standard 11 pin base making installation easy and convenient.

- Compact DIN rail mounting: (H) 80 x (W) 35 x (D) 79 mm (3 modules wide)

Current monitor

The module directly interfaces with conventional 5A CTs. The relay will only operate as long as monitored current remains below the pre-set limit or above the pre-set limit.

type	supply voltage*	input signal	function	description
• Hysteresis 5 - 50%				
LA51230A	230 VAC	0 - 1A	relay	over or under current monitor
LA55230A	230 VAC	0 - 5A	relay	over or under current monitor
LA55400A	400 VAC	0 - 5A	relay	over or under current monitor
WA55230A	400 VAC	0 - 5A	relay	over and under current monitor

Voltage monitor

V1C is a precise UNDER / OVER voltage monitoring relay. This relay monitors a separate voltage input (Pins 5 + 7). The relay will only operate as long as the monitored voltage remains "BELOW" the pre-set over voltage then supply voltage limit or "ABOVE" the pre-set overvoltage limit.

type	supply voltage*	phase	function	description
V1C230A400MV	230 VAC	40 - 400 VAC	over and under	voltage monitor

Frequency monitor

The relay is energised as long as measured frequency is within the presettable limits.

- Upper - 50-56Hz
- Lower - 40-50Hz

H1E0230A	230 VAC	three	over and under	frequency monitor
-----------------	---------	-------	----------------	-------------------

Phase failure / sequence relay

The SF1 monitors Negative Phase Sequence (NPS) voltage to detect phase failure, phase reversal and phase imbalance. The relay will only operate while all three phases are present and in sequence.

SF1110A	110 VAC	three	relay	phase failure
SF1400A	400 VAC	three	relay	phase failure
SF1525A	525 VAC	three	relay	phase failure

- With knob

SF1K400A	400 VAC	three	relay	phase failure with adj. for NPS
SF1K525A	525 VAC	three	relay	phase failure with adj. for NPS

Over / under voltage monitor (incorporating phase failure)

Monitors own supply. Relay will only operate whilst the supply voltage is within the presettable "OVER" and "UNDER" voltage limits and all three phases present and in sequence. Providing effective power supply supervision and protection.

- Phase failure/reversal protection
- Over / under voltage protection

V1E230A	230 VAC	single	over and under	voltage monitor
V3E110A	110 VAC	three	over and under	voltage monitor
V3E400A	400 VAC	three	over and under	voltage monitor
V3E525A	525 VAC	three	over and under	voltage monitor
V3EN400A	400 VAC	three +N	over and under	voltage monitor

* Other voltage options available on request.



SFK1



V3E...