ECA500-11 SERIES

CURRENT, VOLTAGE & POWER MONITORS
TOTAL MOTOR PROTECTION RELAY

Protection Against:

√ Overload & Undercurrent
√ Over & Undervoltage
√ Frequency Shift
√ Voltage Unbalance
√ Current Unbalance
√ Single Phasing
√ Phase Reversal
√ Locked Rotor

FEATURES

√ Measuring of Current, Voltage, Frequency, Temperature, PF, KVA, KWH and KW
√ Fully adjustable protection parameters
√ LCD Display with 4 button operation
√ Reports: Load, Voltage, Current, Frequency, PF, KVA, KWH & KW, Values, Run Time, Temperature, Start Mode, Last 20 Faults and more
√ Din rail, Flat surface, or Flush mounting
√ Comm Port (MOBUS RTU protocol on on RS485@9600 baud output)
√ Meets IEEE, IEC & NEMA standards, UL Listed

REPLACES

■ **SymCom/MotorSaver:** 777 Series, 520CS-115, 520CP |
Schneider Square: Motor Logic Plus 9065 | **SEL:** 701 |
Telemecanique: LT6 | **NASSAR:** PM-31 | **CAC:** EOCR-3DM |
Time Mark: 2742

OVERVIEW

Protect your most valuable investments!

The ECA500-11 is a series of microcontrolled 3-phase total motor protection current, voltage & power monitoring relays. They're designed to protect electrical loads and motors from failure and damage due to common current and voltage faults.

The ECA500-11's constantly supervise current and voltage values and when any harmful condition occurs, the output connection is deactivated until the fault disappears, power line conditions return to acceptable levels and the motor has cooled to an acceptable temperature level. Specific timing features such as Start Up Delay (TC) and Trip Delay (TD) are incorporated to prevent nuisance tripping due to rapid power fluctuations.

SPECIFICATIONS / MODELS

ECA500-11-208050	Motor Protection Relay 208/220VAC 15-50A
ECA500-11-208100	Motor Protection Relay 208/220VAC 30-100A
ECA500-11-208180	Motor Protection Relay 208/220VAC 55-180A
ECA500-11-208000	Motor Protection Relay 208/220VAC CT external
ECA500-11-480100	Motor Protection Relay 440/480VAC 30-100A
ECA500-11-480180	Motor Protection Relay 440/480VAC 55-180A
ECA500-11-480000	Motor Protection Relay 440/480VAC CT External