

MPR 500



Products Feature

- Microprocessor Based Numerical Relay
- Protection Thermal Overload
- Protection Overcurrent
- Protection Undercurrent
- Protection Phase Unbalance
- Protection Phase Loss
- Protection Phase Sequence
- Protection Earth Fault
- Prolonged Starting / Stall Rotor
- 2 Voltage-Free Contact Outputs

MPR-500-240AD

SPECIFICATIONS

SETTING RANGES

Thermal Overload Time Constant , $t_{ex}$	1 - 40 sec of 0.1 sec for 1 - 10 sec, in steps of 1 sec for 10 - 40 sec
Short Circuit , $I_{>>}$	Off , 2 - 12 x $I_b$ In step 1 x $I_b$
Short Circuit Delay Time , $t_{>>}$	0 - 25 sec in steps of 0.1 sec for 1 - 10 sec in steps of 1 sec for 10 - 25 sec
Undercurrent , $I_{<<}$	Off, 20 - 90% of $I_b$ in steps of 1%
Undercurrent Delay Time , $t_{<<}$	0 - 60 sec in steps of 0.1 sec for 1 - 10 sec in steps of 1 sec for 10 - 60 sec
Unbalance , $I_{\Delta}$	Off, 10 - 50% in steps of 1%
Unbalance Delay Time , $t_{\Delta}$	0 - 25 sec in steps of 0.1 sec for 1 - 10 sec in steps of 1 sec for 10 - 25 sec
Earth Fault , $I_0$	Off, 10 - 60% of $I_b$ in steps of 1%
Earth Fault Delay Time , $t_0$	0 - 25 sec in steps of 0.1 sec for 1 - 10 sec in steps of 1 sec for 10 - 25 sec
Phase Loss	< 120 ms
Phase Sequence	< 120 ms
Prolonged Starting/Stalled Rotor , $I_s$	Off, 2 - 12 X $I_b$ in steps of 0.1 X $I_b$
Prolonged Starting Delay Time , $t_{Start}$	0 - 60 sec in steps of 0.1 sec for 1 - 10 sec in steps of 1 sec for 10 - 60 sec
Stalled Rotor Delay Time , $t_{Stall}$	0 - 60 sec in steps of 0.1 sec for 1 - 10 sec in steps of 1 sec for 10 - 60 sec

AUXILIARY SUPPLY

Supply Voltage	85 - 265 VAC / 110 - 370 VDC
Supply Frequency	50 or 60 Hz
VA Rating	3 VA typical

RATINGS

Current Rating (In)	2 - 10 A
Frequency	50 or 60 Hz
Burden	< 0.3 VA at $I_n$
Thermal Withstand	4 x $I_n$ Continuous

CONTACT SPECIFICATION

Contact Arrangement	Change-Over
Contact Rating	5A, 250 VAC (Cosφ = 1)
Contact Material	Silver Alloy
Operating Time	15 ms max
Expected Electrical Life	100,000 operations at rated current
Expected Mechanical Life	5 x 10 <sup>6</sup> operations
Approval	UL / CSA / VDE / TUV / SEMKO

Price

ราคา	<b>23,500.-</b>
------	-----------------