

MP-10 : MOTOR PROTECTION FEATURE COMPARISON

	MPU-32	MPS
Protective Functions		
Thermal Overload (49/51)	•	•
Overcurrent (50/51)	•	•
Auxiliary Overcurrent (50/51)	•	•
Reduced Overcurrent (50/51)	•	•
Ground Fault (50/51G)	•	•
Current Unbalance (46)	•	•
Voltage Unbalance (47)		•
PTC Overtemperature	•	•
RTD Temperature (26/38/49)	•	•
Current Phase Loss (46)	•	•
Voltage Phase Loss (47)		•
Current Phase Reverse (46)	•	•
Voltage Phase Reverse (47)		•
Jam	•	•
Starts per Hour (66)	•	•
Undercurrent (37)	•	•
Differential (87)	•	•
Start Timeout		•
Failure to Accelerate		•
Underspeed (14)		•
Overvoltage (59)		•
Undervoltage (27)		•
Power Factor (55)		•
Overfrequency (81)		•
Underfrequency (81)		•
Contactors Failure (3)		•
Starter Control (2, 9, 18, 19, 34, 48, 66)		
Low-Voltage Motors		•
Medium-Voltage Motors		•
Full Voltage Non-reverse	•	•
Full Voltage Reversing		•
Adjustable Speed Drive		•
Two Speed		•
Reactor Closed Transition		•
Reactor Open Transition		•
Slip Ring		•
Soft Start		•
Soft Start with bypass		•
Part Winding		•
Double Delta		•

	MPU-32	MPS
Starter Control (continued)		
Autotransformer Closed Trans		•
Two Winding		•
Wye-Delta Open Trans		•
Wye-Delta Closed Trans		•
Metering		
Line Currents	•	•
Positive-Sequence Current	•	•
Negative-Sequence Current	•	•
Current Unbalance	•	•
Earth-Leakage Current	•	•
Differential Currents	•	•
Used Thermal Capacity	•	•
Thermal Trend	•	•
Phase Voltages		•
Positive-Sequence Voltage		•
Negative-Sequence Voltage		•
Voltage Unbalance		•
Frequency	•	•
Real Power		•
Reactive Power		•
Apparent Power		•
Power Factor		•
Energy Used (kWh)		•
kVAh		•
kVARh		•
RTD Temperature	•	•
Tachometer		•
Analog Input and Output		•
Miscellaneous		
Network Communications	•	•
Real-time Clock	•	•
VFD Frequency Tracking	•	•
Industrial Temperature Range	•	•
Hazardous-Location Certified		•
Data Logging	•	•
Digital Inputs	•	•
Analog Output	•	•
Analog Input		•
PWB Conformal Coating	•	•

MP-10 : MOTOR PROTECTION FEATURE COMPARISON

	MPU-32	MPS
Miscellaneous (continued)		
Universal Power Supply	•	•
24-Vdc source	•	•
IRIG-B Time Code Input		•
Four-line 80-character Display	•	•
Remote Contact Control	•	•
PC-interface Software	•	•
10-year Warranty	•	•