Product data sheet Characteristics

59738

motor - M88 - Sepam series 80



Main		
Relay application	Motor	
Range of product	Sepam series 80 NPP Sepam series 80	
Device short name	M88	
Control and monitoring type	Circuit breaker/contactor control ANSI code: 94/69 (option) Latching/acknowledgement ANSI code: 86 Logic discrimination ANSI code: 68 (option) Switching of groups of settings Annunciation ANSI code: 30 Logipam programming (ladder language) (option) Logic equation editor 200 operators Load shedding/automatic restart	
Metering type	Positive sequence voltage Vd/rotation direction Frequency Calculated active and reactive energy (+/- W.h, +/- VAR.h) Active and reactive energy by pulse counting (+/- W.h, +/- VAR.h) (option) Phase current I1, I2, I3 RMS Demand current IM1, IM2, IM3 Peak demand current IM1, IM2, IM3 Measured residual current I'0 Voltage U21, U32, U13, V1, V2, V3 Residual voltage V0 Negative sequence voltage Vi Active power P, P1, P2, P3 Reactive power Q, Q1, Q2, Q3 Apparent power S, S1, S2, S3 Peak demand power PM, QM Power factor Temperature (16 RTDs) (option) Phase current I'1, I'2, I'3 RMS Rotation speed (option) Neutral point voltage Vnt Measured residual current I0, calculated I'0∑ Calculated residual current I'0∑	
Network and machine diagnosis type	Unbalance ratio/negative sequence current li Disturbance recording Thermal capacity used Remaining operating time before overload tripping Waiting time after overload tripping Running hours counter/operating time Starting current and time Start inhibit time, number of starts before inhibition Tripping context	

Phase fault and earth fault trip counters Harmonic distortion (THD), current and voltage Ithd, Uthd Apparent positive sequence impedance Zd Apparent phase-to-phase impedances Z21, Z32, Z13 Differential current Idiff1, idiff2, Idiff3 Through current It1, It2, It3 Current phase displacement θ Phase displacement Datalog (DLG) Motor start report (MSR) Motor start trend (MST) Switchgear diagnosis type Cumulative breaking current CT/VT supervision ANSI code: 60FL Trip circuit supervision ANSI code: 74 (option) Auxiliary power supply monitoring Nb of operations, operating time, charging time, nb of racking out operations (option)

Complementary

Type of measurement	Power factor
	Peak demand power
	Energy
	Power (P,Q) Temperature
	Harmonic distorsion (I THD & U THD)
	Current
	Frequency
	Rotation speed
	Voltage
Protection type	Thermostat / buchholz ANSI code: 26/63 (option)
	Phase undercurrent ANSI code: 37
	Starts per hour ANSI code: 66
	Neutral voltage displacement ANSI code: 59N
	Breaker failure ANSI code: 50BF Directional earth fault ANSI code: 67N/67NC
	Overvoltage (L-L or L-N) ANSI code: 59
	Temperature monitoring (16 RTDs) ANSI code: 38/49T (option)
	Thermal overload for machines ANSI code: 49RMS
	Two-winding transformer differential ANSI code: 87T
	Excessive starting time, locked rotor ANSI code: 48/51LR
	Field loss (underimpedance) ANSI code: 40
	Pole slip ANSI code: 78PS
	Overspeed (2 set points) ANSI code: 12 (option)
	Underspeed (2 set points) ANSI code: 14 (option)
	Directional reactive overpower ANSI code: 32Q Negative sequence/unbalance ANSI code: 46
	Overfrequency ANSI code: 81H
	Underfrequency ANSI code: 81L
	Positive sequence undercurrent ANSI code: 27D
	Remanent undervoltage ANSI code: 27R
	Undervoltage (L-L or L-N) ANSI code: 27
	Negative sequence overvoltage ANSI code: 47
	Phase overcurrent ANSI code: 50/51
	Earth fault/sensitive earth fault ANSI code: 50N/51N
	Earth fault/sensitive earth fault ANSI code: 50G/51G
	Directional active overpower ANSI code: 32P
Communication port protocol	Measurement readout (option) : Modbus
	Remote indication and time tagging of events (option) : Modbus
	Remote control orders (option) : Modbus Remote protection setting (option) : Modbus
	Transfer of disturbance recording data (option) : Modbus
Input output max capacity	42 inputs + 23 outputs
Communication compatibility	IEC 61850
	IEC 60870-5-103
	DNP3
	Modbus TCPIP
	IEC 61850 goose message
	Modbus RTU
User machine interface type	Remote
	Mimic-based
	Advanced Without
	Without

Packing Units

Package 1 Weight	0.001 kg	
Package 1 Height	0.010 dm	
Package 1 width	0.010 dm	
Package 1 Length	0.020 dm	