Product data sheet
Characteristics

59689

motor - M40 - Sepam series 40

Main

Relay application	Motor
Range of product	Sepam series 40
Device short name	M40
Control and monitoring type	Latching/acknowledgement ANSI code: 86 Logic discrimination ANSI code: 68 (option) Switching of groups of settings Annunciation ANSI code: 30 Circuit breaker/contactor control ANSI code: 94/69 Logic equation editor 100 operators
Metering type	Phase current I1, I2, I3 RMS, residual current I0 Demand current I1, I2, I3, peak demand current IM1, IM2, IM3 Temperature (option) Voltage U21, U32, U13, V1, V2, V3, residual voltage V0 Frequency Positive sequence voltage Vd/rotation direction-negative sequence voltage Vi Active, reactive, apparent power P,Q,S-peak demand power PM, QM, power factor Calculated active and reactive energy (+/- W.h, +/- VAR.h) Active and reactive energy by pulse counting (+/- W.h, +/- VAR.h) (option)
Network and machine diagnosis type	Unbalance ratio/negative sequence current Ii 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 displacement
Switchgear diagnosis type	Cumulative breaking current Trip circuit supervision (option) Number of operations, operating time charging time (option) CT/VT supervision ANSI code: 60FL

Complementary

Type of measurement	Voltage Temperature Power (P,Q) Current Power factor Peak demand power Frequency

Aug 4, 2020

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	Energy
Protection type	Thermal overload protection ANSI code: 49RMS Phase undercurrent ANSI code: 37 Excessive starting time, locked rotor ANSI code: 48/51LR/14 Starts per hour ANSI code: 66 Breaker failure ANSI code: 50BF Undervoltage protection ANSI code: 27/27S Overvoltage protection ANSI code: 59 Temperature monitoring (8 or 16 RTDs) ANSI code: 38/49T (option) Positive sequence undervoltage ANSI code: 27D Phase overcurrent ANSI code: 50/51 Earth fault/sensitive earth fault ANSI code: 50N/51N Earth fault/sensitive earth fault ANSI code: 50G/51G Remanent undervoltage ANSI code: 27R Negative sequence/unbalance ANSI code: 46
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	10 inputs + 8 outputs
Communication compatibility	IEC 60870-5-103 Modbus RTU DNP3 IEC 61850 Modbus TCPIP
User machine interface type	Without Remote Advanced

Packing Units

Package 1 Weight	1.000 kg
Package 1 Height	1.000 dm
Package 1 width	1.000 dm
Package 1 Length	1.001 dm