Product datasheet

Specifications

generator - G62 - Sepam series 60

59794

Main

Relay application	Generator
Range of product	Sepam series 60
Device short name	G62
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 Automatic transfer (AT) (option) Logic equation editor 200 operators
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 I1, I2, I3 Peak demand current IM1, IM2, IM3 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) Rotation speed (option) Measured residual current I0, calculated I'0Σ
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 Tripping context Phase fault and earth fault trip counters Harmonic distortion (THD), current and voltage Ithd, Uthd Difference in amplitude, frequency and phase of voltages with synchro-check option Apparent positive sequence impedance Zd Apparent phase-to-phase impedances Z21, Z32, Z13 Third harmonic voltage, neutral point residual Cable arcing fault detection Phase displacement Datalog (DLG)
Switchgear diagnosis type	Cumulative breaking current CT/VT supervision ANSI code: 60FL Trip circuit supervision ANSI code: 74 (option) Nb of operations, operating time, charging time, nb of racking out operations (option)

Complementary

Type of measurement	Power (P,Q)
	Harmonic distorsion (I THD & U THD)
	Energy
	Power factor
	Peak demand power
	Temperature
	Rotation speed
	Frequency
	Voltage
	Current

Protection type	Thermostat / buchholz ANSI code: 26/63 (option)
	Neutral voltage displacement ANSI code: 59N (2)
	Breaker failure ANSI code: 50BF (1)
	Directional earth fault ANSI code: 67N/67NC (2)
	Directional phase overcurrent ANSI code: 67 (2)
	Synchro-check ANSI code: 25 (option)
	Directional active underpower ANSI code: 37P (2)
	Temperature monitoring (16 RTDs) ANSI code: 38/49T (option)
	Thermal overload for machines ANSI code: 49RMS (2)
	Field loss (underimpedance) ANSI code: 40 (1)
	Overspeed (2 set points) ANSI code: 12 (option)
	Underspeed (2 set points) ANSI code: 14 (option)
	Directional reactive overpower ANSI code: 32Q (1)
	Underimpedance ANSI code: 21B (1)
	Phase overcurrent ANSI code: 50/51 (4)
	Earth fault/sensitive earth fault ANSI code: 50N/51N (4)
	Earth fault/sensitive earth fault ANSI code: 50G/51G (4)
	Negative sequence/unbalance ANSI code: 46 (2)
	Overfrequency ANSI code: 81H (2)
	Underfrequency ANSI code: 81L (4)
	Voltage-restrained overcurrent ANSI code: 50V/51V (1)
	Positive sequence undercurrent ANSI code: 27D (2)
	Remanent undervoltage ANSI code: 27R (2)
	Negative sequence overvoltage ANSI code: 47 (2)
	Directional active overpower ANSI code: 32P (2)
	Undervoltage (L-L or L-N) ANSI code: 27 (2)
	Rate of change of frequency ANSI code: 81R (2)
	Overvoltage (L-L or L-N) ANSI code: 59 (2)

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	28 inputs + 16 outputs

Communication compatibility	Modbus RTU
	IEC 60870-5-103
	IEC 61850 goose message
	IEC 61850
	DNP3
	Modbus TCPIP

User machine interface type	Without
	Remote
	Advanced
	Mimic-based

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.0 cm
Package 1 Width	1.0 cm
Package 1 Length	1.01 cm
Package 1 Weight	100.0 g

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