Product datasheet

Specifications

transformer - T82 - Sepam series 80

59734

Main

Relay application	Transformer
Range of product	Sepam series 80 NPP Sepam series 80
Device short name	T82
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) Logipam programming (ladder language) (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 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) 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 Phase displacement Datalog (DLG)
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	Peak demand power
	Voltage
	Temperature
	Harmonic distorsion (I THD & U THD)
	Energy
	Power (P,Q)
	Power factor
	Current
	Frequency
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)
	Overvoltage (L-L or L-N) ANSI code: 59 (4)
	Temperature monitoring (16 RTDs) ANSI code: 38/49T (option)
	Thermal overload for machines ANSI code: 49RMS (2)
	Restricted earth fault ANSI code: 64REF (2)
	Negative sequence/unbalance ANSI code: 46 (2)
	Overfrequency ANSI code: 81H (2)
	Underfrequency ANSI code: 81L (4)
	Positive sequence undercurrent ANSI code: 27D (2)
	Remanent undervoltage ANSI code: 27R (2)
	Undervoltage (L-L or L-N) ANSI code: 27 (4)
	Negative sequence overvoltage ANSI code: 47 (2)
	Phase overcurrent ANSI code: 50/51 (8)
	Earth fault/sensitive earth fault ANSI code: 50N/51N (8)
	Earth fault/sensitive earth fault ANSI code: 50G/51G (8)
	Directional active overpower ANSI code: 32P (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	42 inputs + 23 outputs
Communication compatibility	IEC 61850
	IEC 60870-5-103
	Modbus TCPIP
	DNP3
	IEC 61850 goose message
	Modbus RTU
User machine interface type	Without
	Mimic-based
	Remote
	Advanced

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.1 cm
Package 1 Width	0.1 cm
Package 1 Length	0.2 cm
Package 1 Weight	1.0 g

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