Product data sheet
Characteristics

59688
substation - S44 - Sepam series 40

Main

Relay application	Substation
Range of product	Sepam series 40
Device short name	S44
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 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 Tripping context Cable arcing fault detection 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	Power factor Energy Peak demand power Frequency Current Power (P,Q) Voltage
Protection type	Recloser (4 cycles) ANSI code: 79 (option) Breaker failure ANSI code: 50BF Undervoltage protection ANSI code: 27/27S Overvoltage protection ANSI code: 59 Phase overcurrent ANSI code: 50/51

Earth fault/sensitive earth fault ANSI code: 50N/51N
Earth fault/sensitive earth fault ANSI code: 50G/51G
Negative sequence/unbalance ANSI code: 46
Negative sequence overvoltage ANSI code: 47

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	Modbus TCPIP DNP3 IEC 60870-5-103 IEC 61850 Modbus RTU
User machine interface type	Advanced Remote Without