



Main

Relay application	Substation
Range of product	Sepam series 40
Device short name	S54
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 Fault locator 21FL Cable arcing fault detection Phase displacement
Switchgear diagnosis type	Trip circuit supervision (option) Number of operations, operating time charging time (option) CT/VT supervision ANSI code: 60FL Cumulative breaking current

Complementary

Type of measurement	Current Energy Frequency Peak demand power Power (P,Q) Power factor Voltage
Protection type	Overvoltage protection ANSI code: 59 Earth fault/sensitive earth fault ANSI code: 50N/51N Earth fault/sensitive earth fault ANSI code: 50G/51G Negative sequence/unbalance ANSI code: 46

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Negative sequence overvoltage ANSI code: 47
Breaker failure ANSI code: 50BF
Broken conductor ANSI code: 46BC
Phase overcurrent ANSI code: 50/51
Recloser (4 cycles) (option) ANSI code: 79
Undervoltage protection ANSI code: 27/27S

Communication port protocol	Measurement readout (option) : Modbus Remote control orders (option) : Modbus Remote indication and time tagging of events (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 RTU IEC 60870-5-103 DNP3 IEC 61850 Modbus TCP/IP
User machine interface type	Advanced Without Remote
