



Main

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| Relay application | Substation |
| Range of product | Sepam series 40 |
| Device short name | S40 |
| 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/contactors 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 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

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| Type of measurement | Power (P,Q) Frequency Current Power factor Voltage Peak demand power Energy |
| Protection type | Recloser (4 cycles) ANSI code: 79 (option) Neutral voltage displacement ANSI code: 59N Breaker failure ANSI code: 50BF Undervoltage protection ANSI code: 27/27S Overvoltage protection ANSI code: 59 Phase overcurrent ANSI code: 50/51 |

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

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
 Overfrequency ANSI code: 81H
 Underfrequency ANSI code: 81L

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

Packing Units

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| Package 1 Weight | 0.001 kg |
| Package 1 Height | 0.010 dm |
| Package 1 width | 0.010 dm |
| Package 1 Length | 0.020 dm |

Offer Sustainability

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| EU RoHS Directive | Not applicable, out of EU RoHS legal scope |
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