

# Product datasheet

Specifications



## substation - S51 - Sepam series 40

59781

⚠ Discontinued on: 01 Nov 2020

⚠ Discontinued

### Main

Relay application	Substation
Range of product	Sepam series 40
Device short name	S51
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 Fault locator 21FL 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	Peak demand power Voltage Power factor Frequency Current Energy Power (P,Q)
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Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

<b>Protection type</b>	Recloser (4 cycles) ANSI code: 79 (option) Neutral voltage displacement ANSI code: 59N (2) Breaker failure ANSI code: 50BF (1) Undervoltage protection ANSI code: 27/27S (2) Overvoltage protection ANSI code: 59 (2) Directional earth fault ANSI code: 67N/67NC (2) Cold load pick-up ANSI code: CPLU 50/51 (4) Broken conductor ANSI code: 46BC (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) Negative sequence overvoltage ANSI code: 47 (1) Overfrequency ANSI code: 81H (2) Underfrequency ANSI code: 81L (4) Directional active overpower ANSI code: 32P (1) Cold load pick-up Io ANSI code: CPLU 50N/51N (4)
<b>Communication port protocol</b>	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
<b>Input output max capacity</b>	10 inputs + 8 outputs
<b>Communication compatibility</b>	DNP3 Modbus RTU IEC 60870-5-103 Modbus TCP/IP IEC 61850
<b>User machine interface type</b>	Remote Advanced Without

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	10.0 cm
<b>Package 1 Width</b>	10.0 cm
<b>Package 1 Length</b>	12.0 cm
<b>Package 1 Weight</b>	1.0 g

## Sustainability


**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.


[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)


## Well-being performance

 Reach Free Of Svhc

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 Mercury Free

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 Rohs Exemption Information [Yes](#)

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**Reach Regulation** [REACH Declaration](#)

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**Eu Rohs Directive** Pro-active compliance (Product out of EU RoHS legal scope)  
[EU RoHS Declaration](#)

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**China Rohs Regulation** [China RoHS declaration](#)

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