

# Product datasheet

Specifications



## substation - S42 - Sepam series 40

59682

### Main

<b>Relay application</b>	Substation
<b>Range of product</b>	Sepam series 40
<b>Device short name</b>	S42
<b>Control and monitoring type</b>	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
<b>Metering type</b>	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)
<b>Network and machine diagnosis type</b>	Unbalance ratio/negative sequence current Ii Disturbance recording Tripping context Phase displacement
<b>Switchgear diagnosis type</b>	Cumulative breaking current Trip circuit supervision (option) Number of operations, operating time charging time (option) CT/VT supervision ANSI code: 60FL

### Complementary

<b>Type of measurement</b>	Peak demand power Frequency Current Power (P,Q) Energy Power factor Voltage
<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) Directional phase overcurrent ANSI code: 67 (2) 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)

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

<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>	Modbus RTU IEC 61850 IEC 60870-5-103 Modbus TCP/IP DNP3
<b>User machine interface type</b>	Remote Without Advanced

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	0.1 cm
<b>Package 1 Width</b>	0.1 cm
<b>Package 1 Length</b>	0.2 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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