Specifications



#### () Discontinued - Service only

# substat., transfo.- A43F - Sepam series 10

REL59816

- () Discontinued on: Jan 1, 2022
- () To be end-of-service on: Dec 31, 2025

## Main

series 10
ormer tion
ad pick-up lo CPLU 50N/51N
ad pick-up CPLU 50/51
overcurrent 50/51
al overload protection 49RMS
ault/standard earth fault 50N/51N
liscrimination ANSI code: 68
ciation ANSI code: 30
g/acknowledgement ANSI code: 86
ault current
emand currents
currents
g context
cuit supervision
870-5-103
S
etting and synchronisation
nission of remote controls
g of time-stamped measurements and events
g of status conditions
g of measurements
s + 7 outputs
s RTU
870-5-103
or fault indication (front face)
or Sepam operating status (front face)
/ + 20 % DC 154 V 3 mA
ation roley
ation relay

#### **Output Type** Control relay: 100...240 V AC 47...63 Hz continuous current: 5 A breaking capacity: 5 kA cos $\phi$ > 0.3 making capacity: 30 A for 200 ms 2000 cycles Control relay: 127 V DC continuous current: 5 A breaking capacity: 0.7 kA resistive making capacity: 30 A for 200 ms 2000 cycles Control relay: 220 V DC continuous current: 5 A breaking capacity: 0.1 kA L/R < 40 ms making capacity: 30 A for 200 ms 2000 cycles Control relay: 220 V DC continuous current: 5 A breaking capacity: 0.3 kA resistive making capacity: 30 A for 200 ms 2000 cycles Control relay: 24 V DC continuous current: 5 A breaking capacity: 4 kA resistive making capacity: 30 A for 200 ms 2000 cycles Control relay: 24 V DC continuous current: 5 A breaking capacity: 5 kA L/R < 40 ms making capacity: 30 A for 200 ms 2000 cycles Control relay: 48 V DC continuous current: 5 A breaking capacity: 1 kA L/R < 40 ms making capacity: 30 A for 200 ms 2000 cycles Control relay: 48 V DC continuous current: 5 A breaking capacity: 4 kA resistive making capacity: 30 A for 200 ms 2000 cycles Indication relay: 100...240 V AC 47...63 Hz continuous current: 2 A breaking capacity: 1 kA cos $\phi$ > 0.3 Indication relay: 127 V DC continuous current: 2 A breaking capacity: 0.5 kA L/R < 20 ms Indication relay: 220 V DC continuous current: 2 A breaking capacity: 0.15 kA L/R < 20 ms Indication relay: 24 V DC continuous current: 2 A breaking capacity: 2 kA L/R < 20 ms Indication relay: 48 V DC continuous current: 2 A breaking capacity: 1 kA L/R < 20 ms [Us] Rated Supply Voltage 220...250 V DC tolerance: +/- 20 % Supply Inrush Current < 20 A 0.1 ms

Power Consumption In Va	8 VA maximum 3 VA typical
Mounting Mode	Fixed
Mounting Support	Plate

### Complementary

Height	139 mm	
Width	179 mm	
Depth	123 mm	
Net Weight	1.46 kg	

# Environment

Standards	EN 50263 UL 508 CSA C22.2
Product Certifications	UL 508 file N° 212533 C22.2 file N° 210625 CE
Fire Resistance	650 °C conforming to IEC 60695-2-11
Ip Degree Of Protection	Rear panel: IP40 conforming to IEC 60529 Front panel: IP54 conforming to IEC 60529
Nema Degree Of Protection	Type 12 conforming to Nema type 250
Ik Degree Of Protection	IK07 conforming to IEC 62262
Power Frequency Dielectric Withstand	2 kV during 60 s conforming to IEC 60255-27
[Uimp] Rated Impulse Withstand Voltage	3 kV (1.2/50 μs) conforming to IEC 60255-27 5 kV (1.2/50 μs) conforming to IEC 60255-5
Immunity To Microbreaks	100 ms conforming to CEI 60255-11

Electromagnetic Compatibility	Conducted emission: (tests), A, conforming to CISPR 22
Licenomagnetic compatibility	Conducted emission: (tests), A, conforming to ENSTR 22 Conducted emission: (tests), A, conforming to EN 55022
	Conducted RF disturbances: (immunity tests-conducted disturbances), 10 V,
	0.1580 MHz, conforming to IEC 60255-22-6 Conducted RF disturbances: (immunity tests-conducted disturbances), 3, 10 V,
	0.1580 MHz, conforming to IEC 61000-4-6
	Damped oscillatory wave: (immunity tests-conducted disturbances), 2.5 kV CM and
	DM, conforming to ANSI C37.90.1 Damped oscillatory wave: (immunity tests-conducted disturbances), 2.5 kV DM, 1 kV
	DM, 100 kHz and 1 MHz, conforming to IEC 60255-22-1
	Damped oscillatory wave: (immunity tests-conducted disturbances), 3, 2.5 kV DM, 1
	kV DM, 100 kHz and 1 MHz, conforming to IEC 61000-4-18
	Electrostatic discharge: (immunity tests-radiated disturbances), 8 kV air, 6 kV contact, conforming to ANSI C37.90.3
	Electrostatic discharge: (immunity tests-radiated disturbances), 8 kV air, 6 kV
	contact, conforming to IEC 60255-22-2
	Electrostatic discharge: (immunity tests-radiated disturbances), 3, 8 kV air, 6 kV contact, conforming to IEC 61000-4-2
	Fast transient bursts: (immunity tests-conducted disturbances), 4 kV CM and DM, 5
	kHz, conforming to ANSI C37.90.1
	Fast transient bursts: (immunity tests-conducted disturbances), 4 kV CM, 5kHz, conforming to IEC 60255-22-4
	Fast transient bursts: (immunity tests-conducted disturbances), 4, 4 kV CM, 5kHz, conforming to IEC 61000-4-4
	Magnetic field at power frequency: (immunity tests-radiated disturbances), 4, 30 A/m (continuous) 100 A/m (for 13 s), conforming to IEC 61000-4-8 Overall: (tests), A, conforming to IEC 60255-26
	Power frequency for status inputs: (immunity tests-conducted disturbances), 300 V CM, 150 V DM, conforming to IEC 60255-22-7
	Power frequency for status inputs: (immunity tests-conducted disturbances), 4, 300 V CM, 150 V DM, conforming to IEC 61000-4-16
	Radiated emission: (tests), A, conforming to CISPR 22
	Radiated emission: (tests), A, conforming to EN 55022 Radiated RF fields: (immunity tests-radiated disturbances), 10 V/m, 801000 MHz,
	1.42.7 GHz, conforming to IEC 60255-22-3
	Radiated RF fields: (immunity tests-radiated disturbances), 20 V/m, 801000 MHz,
	conforming to ANSI C37.90.2 (2004) Radiated RF fields: (immunity tests-radiated disturbances), 3, 10 V/m, 80 MHz2000
	MHz, conforming to IEC 61000-4-3
	Surges: (immunity tests-conducted disturbances), 1.2/50 µs, 10/700 µs, 2 kV CM, 1
	kV DM, conforming to IEC 60255-22-5
	Surges: (immunity tests-conducted disturbances), 3, 1.2/50 µs, 10/700 µs, 2 kV CM, 1 kV DM, conforming to IEC 61000-4-5
Mechanical Robustness	Fire resistance enclosure protection: 650 °C conforming to IEC 60695-2-11
	Bumps de-energized (level: 2) : 20 Gn for 16 ms conforming to IEC 60255-21-2 Earthquakes in operation (level: 2) : 2 Gn horizontal, 1 Gn vertical conforming to IEC
	60255-21-3 Front panel enclosure protection (level: IP54) conforming to IEC 60529
	Front panel enclosure protection (level: type 12) conforming to Nema type 250
	Rear panel enclosure protection (level: IP40) conforming to IEC 60529
	Shocks de-energized (level: 2) : 30 Gn for 11 ms conforming to IEC 60255-21-2 Shocks enclosure protection (level: IK7) : 2 joules conforming to IEC 62262
	Shocks in operation (level: 2) : 10 Gn for 11 ms conforming to IEC 60255-21-2
	Vibrations de-energized (level: 2) : 2 Gn, 10150 Hz, 20 cycle conforming to IEC
	60255-21-1 Vibrations in operation (level: 2) : 1 Gn, 10150 Hz, 1 cycle conforming to IEC
Climatic Withstand	Exposure to cold (storage in original packaging) : - 40 °C (104 °F), 96 h conforming
	to IEC 60068-2-1
	Corrosive atmosphere/2 gas test (in operation) : Ke: 21 days, 75 % RH, 25 °C (77 °F), 0.5 ppm H2S, 1 ppm SO2 conforming to IEC 60068-2-60
	Exposure to cold (in operation) : Ad: - 40 °C (104 °F), 96 h conforming to IEC
	60068-2-1
	Exposure to damp heat (in operation) : Cab: 93 % RH, 40 °C, 56 days conforming to IEC 60068-2-78
	Exposure to damp heat (storage in original packaging) : Cab: 93 % RH, 40 °C, 56
	days conforming to IEC 60068-2-78 Exposure to dry heat (in operation) : Bd: 70 °C (158 °F), 96 h conforming to IEC
	60068-2-2
	Exposure to dry heat (storage in original packaging) : Bd: 70 °C (158 °F), 96 h
	conforming to IEC 60068-2-2 Salt mist (in operation) : Kb/2: 6 cycles conforming to IEC 60068-2-52
	Temperature variation (storage in original packaging) : Nb: 5 °C/min at - 4070 °C (-
	40158 °F) conforming to IEC 60068-2-14

# **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	16.5 cm
Package 1 Width	18.5 cm
Package 1 Length	22.5 cm
Package 1 Weight	1.9 kg

## Sustainability

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass 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 >



Eà



Transparency RoHS/REACh

#### Well-being performance

Rohs Exemption Information Yes

#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information