



Main

Range of Product	PowerLogic T300
Device short name	SC150

Complementary

Product or Component Type	MV switch controller
Protection or fault passage indication function	ANSI 50/51 : overcurrent ANSI 50N/51N : earth fault ANSI 67 : directional phase overcurrent ANSI 67N : directional earth fault ANSI 47 : negative sequence overvoltage ANSI 27 : undervoltage ANSI 59 : overvoltage ANSI 59N : neutral voltage displacement ANSI 37 : phase undercurrent
Power measurement	Apparent power Voltage Active and reactive power Active and reactive energy Power factor Current Frequency Apparent energy
Power quality analysis	Voltage unbalance Individual harmonics Voltage sag and swell detection Harmonic distortion Voltage magnitude
Measurement accuracy	Current class 0.5 Voltage class 0.5 Energy class 1 IEC 61557-12
Data recording	Sag and swell logs Harmonics logs Min/Max of instantaneous values Demand values Event logs Sequence of event recording Counter Current value before fault
Memory capacity	4 MB
Synchronisation time between inputs	1 ms
Control type	Illuminated push-button status:
Web services	Assistance in commissioning and operating the installation Security/Authority verification Alarm Event log Operating/Status report Reports and diagrams
[Us] rated supply voltage	12...48 V DC +/- 20 %

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Power Consumption in VA	2 VA
Communication port protocol	IEC 60870-5-104
Communication port support	2 ETHERNET RJ45
Number of inputs	8 digital IEC 61131-2 type 3
Measurement current	5 A 1 A
Analogue input type	Current 0.01...35 A (impedance 0.001 Ohm)4 x
Measurement voltage	: 0...10 V LPVT AC at 50/60 Hz (single or three phases) : 47...240 V VTs AC at 50/60 Hz (single or three phases)
Number of outputs	2 digital (relay) switch:
Maximum switching voltage	440 V AC
Rated motor mechanism voltage	12...127 V DC motor: 90...220 V AC motor:
Continuous output current	8 A
Breaking capacity	2000 VA
Irms rated making capacity	15 A 4 s

Environment

Fixing mode	Clip-in DIN rail)
Type of installation	Indoor Outdoor in cabinet
Electromagnetic compatibility	Electrical fast transient/burst immunity test - test level: level 4 criteria A conforming to IEC 61000-4-4 Conducted RF disturbances - test level: level 3 criteria A conforming to IEC 61000-4-6 Conducted disturbance emission - test level: level 4 criteria A conforming to IEC 61000-4-16 100 kHz damped oscillating wave - test level: level 3 criteria A conforming to IEC 61000-4-12 Radiated radio-frequency electromagnetic field immunity test - test level: level 4 criteria A conforming to IEC 61000-4-3 Immunity to voltage dips criteria A conforming to IEC 61000-4-29 Electrostatic discharge - test level: level 4 criteria B conforming to IEC 61000-4-2 Surge immunity test - test level: level 3 criteria A conforming to IEC 61000-4-5 Magnetic field at power frequency - test level: level 5 criteria B conforming to IEC 61000-4-8 Conducted and radiated emissions class A conforming to EN 55022
IP degree of protection	Body IP2X IEC 60529 Front IP4X IEC 60529
IK degree of protection	IK07 IEC 62262
Relative humidity	5...95 % IEC 60068-2-30
Mechanical robustness	Vibrations 10...2000 Hz 1 gn 10 cycles IEC 60068-2-6 Bumps 10 gn 16 ms 1000 bumps non energized IEC 60068-2-29 Shocks 10 gn 11 ms 3 pulses in operation IEC 60068-2-27
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Ambient Air Temperature for Operation	-40...158 °F (-40...70 °C)
Operating altitude	6561.68 ft (2000 m)
Product Certifications	CE
Standards	IEC 60255-27 IEC 61557-12 IEC 62586-1 IEC 61000-4-30:class S IEC 61850
Height	5.51 in (140 mm)
Width	1.77 in (45 mm)
Depth	5.51 in (140 mm)
Net Weight	1.14 lb(US) (0.515 kg)

Ordering and shipping details

Category	08642-SAGE FEEDER RTU
Discount Schedule	RTU1
GTIN	3606480802935
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.15 in (8.0 cm)
Package 1 Width	7.48 in (19.0 cm)
Package 1 Length	7.80 in (19.8 cm)
Package 1 Weight	22.93 oz (650.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	12.37 lb(US) (5.61 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.