

Product datasheet

Specifications



PowerLogic SC150 CT-CAPA: Switch controller, 1/5 A, VPIS/ VDS/PPACS sensors

EMS59202

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	Voltage Frequency Current
measurement accuracy	Current: class 0.5 Voltage: class 0.5
Data recording	Counter Current value before fault Sequence of event recording Event logs Demand values
Memory capacity	4 MB
Synchronisation time between inputs	1 ms
Control type	Illuminated push-button status:
web services	Alarm Event log Assistance in commissioning and operating the installation Security/authority verification Reports and diagrams Operating/Status report
[Us] rated supply voltage	12...48 V DC +/- 20 %
Power consumption in VA	2 VA
Communication port protocol	IEC 60870-5-104
Communication port support	ETHERNET 2 RJ45
Number of inputs	8 digital conforming to IEC 61131-2 type 3
measurement current	1 A 5 A
Analogue input type	Current 0.01...35 A (impedance 0.001 Ohm)4 x

Measurement voltage	: 0...30 V VPIS AC at 50/60 Hz (single or three phases) : 0...30 V VDS LRM AC at 50/60 Hz (single or three phases) : 0...30 V PPACS 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 during 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	IP2X body: conforming to IEC 60529 IP4X front: conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Relative humidity	5...95 % conforming to IEC 60068-2-30
Mechanical robustness	Vibrations 10...2000 Hz 1 gn 10 cycles conforming to IEC 60068-2-6 Bumps 10 gn 16 ms 1000 bumps non energized conforming to IEC 60068-2-29 Shocks 10 gn 11 ms 3 pulses in operation conforming to IEC 60068-2-27
ambient air temperature for storage	-40...85 °C
ambient air temperature for operation	-40...70 °C
Operating altitude	2000 m
Product certifications	CE
Standards	IEC 60255-27 IEC 61557-12 IEC 62586-1 IEC 61000-4-30: class S IEC 61850
Height	140 mm
Width	45 mm
Depth	140 mm
net weight	0.515 kg

Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
Package 1 Height	8.0 cm
Package 1 Width	19.0 cm
Package 1 Length	20.0 cm
Package 1 Weight	668.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	5.794 kg

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-CO₂ 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 >](#)



Transparency RoHS/REACH

Well-being performance

Mercury Free

Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant with Exemptions

China Rohs Regulation [China RoHS declaration](#)

Environmental Disclosure [Product Environmental Profile](#)

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile [End of Life Information](#)