Product data sheet

Specifications

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

EMS59202

Discontinued on: Jun 30, 2023

Discontinued

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	2 ETHERNET 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…185 °F (-40…85 °C)
Ambient Air Temperature For Operation	-40…158 °F (-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	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)

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	7.87 in (20.0 cm)
Package 1 Weight	23.56 oz (668.0 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	12.77 lb(US) (5.794 kg)

Sustainability

Green Premium^{TM} 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_2 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