

Product data sheet

Specifications



PowerLogic HeatTag smart sensor, cable overheating detection

SMT10020

Main

Range	PowerLogic
Range of product	PowerLogic HeatTag
Product or component type	Smart sensor
Range compatibility	PrismaSeT wireless panel server EcoStruxure data concentrator PowerLogic PowerTag
Device application	Electrical switchboard
Function available	Overheating detection of cables and wire connections Overheating detection based on the analyse of gas and particles in the air 3 levels of alert according to the severity of the situation Environment auto-learning to avoid false alerts Wireless communication with all EcoStruxure data concentrators
Sensor technology	Electronic
Type of measurement	Temperature, range: - 15...70 °C, accuracy: +/- 1.1 °C Humidity, range: 15...90 % RH, accuracy: +/- 9 % Air quality index, range: 0...10 AQI
Transmission period	30 s (by default) > 30 s (high data traffic)
Alarm level	Air quality index >= 10
Communication network type	Wireless - 2.4 GHz
Standards	IEC 61010-1 IEC 61010-2-201 IEC 61326-1 ETSI EN 300 328 ETSI EN 301 489-1 ETSI EN 301 489-17 IEEE 802.15.4 FCC part 15 subpart B FCC part 15 subpart C UL 61010-1 CSA C22.2 No 61010-1

Complementary

[Us] rated supply voltage	110...277 V AC at 50/60 Hz, single phase
Supply voltage limits	110...277 V (+/- 15 %)
Maximum supply current	0.1 A
Overvoltage category	III
Control type	1 push-button (sensor pairing/alert acknowledgement)
Local signalling	Network status: 1 LED (green, orange and red) Operating: 1 LED (green, orange and red)

Device location in system	Top of the switchboard Non forced air ventilated switchboard
Mounting support	DIN rail
Protection type	Circuit breaker 2 A curve C
Electrical connection	2 pin(s)removable spring terminal block 2.5 mm ² rigid or flexible
Height	107 mm
Width	108 mm
Depth	55 mm
Net weight	0.27 kg

Environment

Ambient air temperature for storage	-20...85 °C
Ambient air temperature for operation	-15...70 °C
Operating altitude	0...2000 m
Relative humidity	15...90 %
IP degree of protection	IP20
IK degree of protection	IK06
Pollution degree	3
Electromagnetic compatibility	EMC immunity conforming to IEC 61326-1

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	270 g
Package 1 Height	11.4 cm
Package 1 width	7 cm
Package 1 Length	11.4 cm
Unit Type of Package 2	S02
Number of Units in Package 2	14
Package 2 Weight	4.13 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
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
PVC free	Yes
Halogen content performance	Halogen free plastic parts product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead, 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