Product data sheet

Specifications

PowerLogic HU250: Head Unit communication gateway with cyber security management

EMS59000

Main

Range of product	PowerLogic T300
Range	PowerLogic
Product name	PowerLogic T300
Device short name	HU250

Complementary

Product or component type	Communication gateway
Communication port protocol	DNP3 serial and TCP master station/outstation Modbus serial and TCP client/server Modbus RTU client/server IEC 61850-8-1 controlling/controlled station IEC 60870-5-104 controlling/controlled station IEC 60870-5-101 controlled station
Communication port support	ETHERNET 4 RJ45 RS485/RS232 1 RJ45 3G/4G 1 SMA
Data recording	Event logs 4 data logs 1 ms time stamps 500000 events Sequence of event recording
Memory capacity	16 MB
Time synchronisation protocol	NTP SNTP GPS
Synchronisation time between inputs	1 ms
Control type	Illuminated push-button status:
Communication service	Web server local WiFi: Web server local Ethernet: Web server remote WAN:
web services	Event log Alarm Operating/Status report Assistance in commissioning and operating the installation Security/authority verification Reports and diagrams
Programming language	Calculation formula ST (structured text) IL (instruction list) LD (ladder) FBD (function block diagram) SFC (sequential function chart)

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Number of inputs	8 digital multi-purpose conforming to IEC 61131-2 type 3 2 digital remote control 1 analog measure temperature
Number of outputs	2 digital (relay) multi-purpose:
[Us] rated supply voltage	12...48 V DC +/- 20 %
Power consumption in VA	3 VA

Environment

User language	Multi-language
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
Fixing mode	Clip-in (DIN rail)
Type of installation	Indoor Outdoor in cabinet
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 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
Height	140 mm
Width	90 mm
Depth	140 mm
Net weight	0.55 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	11.900 cm
Package 1 Width	19.100 cm
Package 1 Length	19.800 cm

Package 1 Weight	765.000 g
Unit Type of Package 2	S04
Number of Units in Package 2	9
Package 2 Height	30.000 cm
Package 2 Width	40.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	7.277 kg

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	97
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant with Exemptions
REACh Regulation	REACh Declaration
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

Use Again

Repack and remanufacture

End of life manual availability	End of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins