

Product datasheet

Specifications



Touch panel screen, Harmony STO & STU, 3.4 200 x 80 pixels, With Software

HMISTO531S

⚠ Discontinued on: 14 Jan 2021

⚠ Discontinued

Main

Range of product	Harmony STO & STU
Product or component type	Touch panel screen
Processor name	CPU RISC

Complementary

Display size	3.4 inch
Display type	Backlit monochrome STN LCD
Background colour	Green Red Orange
Display resolution	200 x 80 pixels
Touch panel	Analogue
Backlight lifespan	10000 hours with red 50000 hours with orange 50000 hours with green
Brightness	8 levels
Contrast	16 levels via touch panel
Character font	ASCII Chinese (simplified Chinese) Taiwanese (traditional Chinese) Japanese (ANK, Kanji) Korean
[Us] rated supply voltage	24 V DC +/- 20 %
Inrush current	30 A
Local signalling	1 LED (green) for normal operation
Power consumption in W	5 W
Number of pages	Limited by internal memory capacity
Processor frequency	333 MHz
Port Ethernet	10/100BASE-TX
Memory description	Application memory 16 MB Back up of data 128 kB
Integrated connection type	1 USB 2.0 type mini B 1 USB 2.0 type A power supply - removable screw terminal block 1 Ethernet TCP/IP - 1 RJ45
Supply	External source

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

Realtime clock	Access to the PLC real-time clock
Downloadable protocols	XWAY TCP/IP Modbus TCP/IP Third party protocols
Fixing mode	By 2 spring clips, mounting on 1.6...5 mm thick panel
Enclosure material	PPT
Marking	CE

Environment

Immunity to microbreaks	3 ms
Standards	IEC 61000-6-2 UL 508 EN 61131-2 UL 1604 FCC Class A
Product certifications	cULus CE UL Class 1 Division 2 T5 C-Tick UL Class 1 Division 2 T4A
Ambient air temperature for operation	0...50 °C
Ambient air temperature for storage	-20...60 °C
Relative humidity	0...90 % without condensation
Operating altitude	<= 2000 m
IP degree of protection	IP20 (rear panel) conforming to IEC 60529 IP65 (front panel) conforming to IEC 60529
NEMA degree of protection	NEMA 4X front panel (indoor use)
Shock resistance	15 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	+/- 3.5 mm (f = 5...9 Hz) conforming to IEC 60068-2-6 1 gn (f = 9...150 Hz) conforming to IEC 60068-2-6
Electromagnetic compatibility	Resistance to radiated electromagnetic fields - test level: 10 V/m conforming to IEC 61000-4-3



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.

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[How we assess product sustainability >](#)

Use Longer



Lifetime extension

Repair

No