

Product datasheet

Specifications



colour touch panel screen, Harmony
STO & STU, 3.5inch wide, without
Schneider logo

HMISTU655W

Main

Range of product	Harmony STO & STU
Product or component type	Touch panel screen
Software package	Vijeo Designer
Processor name	ARM926EJ-S

Complementary

Display size	3.5 inch
Display type	QVGA TFT colour touchscreen
Display colour	65536 colours
Display resolution	320 x 240 pixels QVGA
Touch panel	Analogue
Backlight lifespan	50000 hours
Brightness	16 levels
Character font	Korean Japanese (ANK, Kanji) ASCII Taiwanese (traditional Chinese) Chinese (simplified Chinese)
[Us] rated supply voltage	24 V DC
Supply	External source
Supply voltage limits	20.4...28.8 V
Inrush current	30 A
Power consumption in W	6.5 W
Number of pages	Limited by internal memory capacity
Memory description	Application memory 16 MB Back up of data 64 kB
Integrated connection type	1 USB 2.0 type mini B 1 USB 2.0 type A COM1 serial link - female RJ45 - RS232C/RS485 (rate: <= 115.2 kbits/s) power supply - removable screw terminal block 1 Ethernet - RJ45
Realtime clock	Access to the PLC real-time clock
Downloadable protocols	Modbus TCP/IP Modbus Uni-TE Third party protocols
Fixing mode	Ø 22 mm hole

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

Enclosure material	PC/PBT
Marking	Without Schneider logo CE
Height	98.15 mm
Width	118 mm
Depth	55.3 mm

Environment

Immunity to microbreaks	10 ms
Standards	UL 508 UL 1604 IEC 61131-2 FCC Class A IEC 61000-6-2
Product certifications	C-Tick Marine UL class 1 Div2 T4A ou T5 cULus UKCA
Ambient air temperature for operation	0...50 °C
Ambient air temperature for storage	-20...60 °C
Relative humidity	0...85 % 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
Resistance to electromagnetic fields	10 V/m conforming to IEC 61000-4-3

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.500 cm
Package 1 Width	13.000 cm
Package 1 Length	18.500 cm
Package 1 Weight	534.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	16
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	9.050 kg

Contractual warranty



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	518 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	79 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	438 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.2 kg CO2 eq.

Use Better



Materials and Substances

F-gas free	Only air and vacuum used for insulation / breaking, no F-gas including SF6
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	3d02a16a-b371-402f-abda-886a20922dcb
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
Halogen-free status	Product contains halogen above thresholds
PVC free	No
Silicone-free	No

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	58
End of life manual availability	End of Life Information
Removable battery	User replaceable
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