

# Product data sheet

Specifications



## colour touch panel screen, Harmony STO & STU, 3.5inch wide

HMISTU655

### Main

Range of product	Harmony STO & STU
Product or component type	Touch panel screen
Software designation	Vijeo Designer
Operating system	Harmony
Processor name	CPU ARM9

### 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	Chinese (simplified Chinese) Japanese (ANK, Kanji) ASCII Korean Taiwanese (traditional 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
Processor frequency	333 MHz
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

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

<b>Downloadable protocols</b>	Modbus TCP/IP Modbus Uni-TE Third party protocols
<b>Fixing mode</b>	Ø 22 mm hole
<b>Enclosure material</b>	PC/PBT
<b>Marking</b>	With Schneider logo CE
<b>Height</b>	98.15 mm
<b>Width</b>	118 mm
<b>Depth</b>	55.3 mm

## Environment

<b>Immunity to microbreaks</b>	10 ms
<b>Standards</b>	IEC 61000-6-2 IEC 61131-2 UL 1604 UL 508 FCC Class A
<b>Product certifications</b>	cULus C-Tick Marine UL class 1 Div2 T4A ou T5 UKCA
<b>Ambient air temperature for operation</b>	0...50 °C
<b>Ambient air temperature for storage</b>	-20...60 °C
<b>Relative humidity</b>	0...85 % without condensation
<b>Operating altitude</b>	<= 2000 m
<b>IP degree of protection</b>	IP20 (rear panel) conforming to IEC 60529 IP65 (front panel) conforming to IEC 60529
<b>NEMA degree of protection</b>	NEMA 4X front panel (indoor use)
<b>Shock resistance</b>	15 gn for 11 ms conforming to IEC 60068-2-27
<b>Vibration resistance</b>	+/- 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
<b>Resistance to electromagnetic fields</b>	10 V/m conforming to IEC 61000-4-3

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	7.000 cm
<b>Package 1 Width</b>	13.500 cm
<b>Package 1 Length</b>	18.500 cm
<b>Package 1 Weight</b>	563.000 g
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	16
<b>Package 2 Height</b>	30.000 cm
<b>Package 2 Width</b>	30.000 cm
<b>Package 2 Length</b>	40.000 cm

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Package 2 Weight 9.713 kg

## Contractual warranty

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Warranty 18 months



## 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

Environmental Disclosure [Product Environmental Profile](#)

## 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

[EU RoHS Directive](#) Pro-active compliance (Product out of EU RoHS legal scope)

SCIP Number 3d02a16a-b371-402f-abda-886a20922dcb

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](http://www.P65Warnings.ca.gov)

Halogen-free status Product contains halogen above thresholds

PVC free No

Silicone-free No

## Use Again

### Repack and remanufacture

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

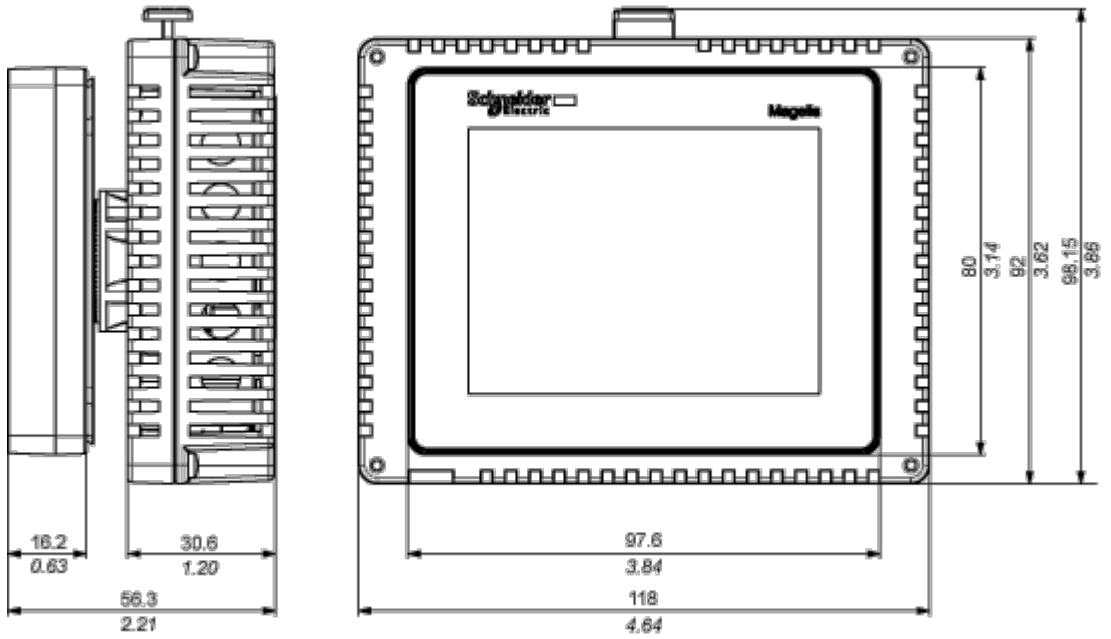
Dimensions Drawings

Display and Rear Modules

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Dimensions

mm  
in.



(2)

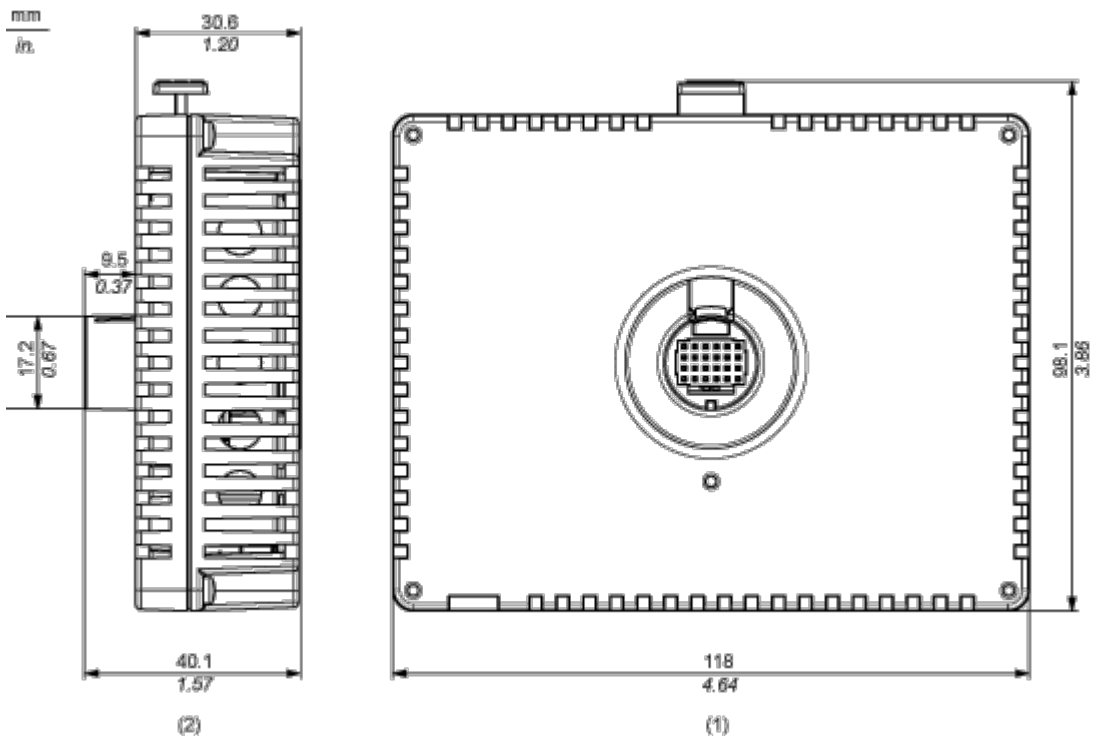
(1)

(1) Right Side

(2) Front

Rear Module

Dimensions

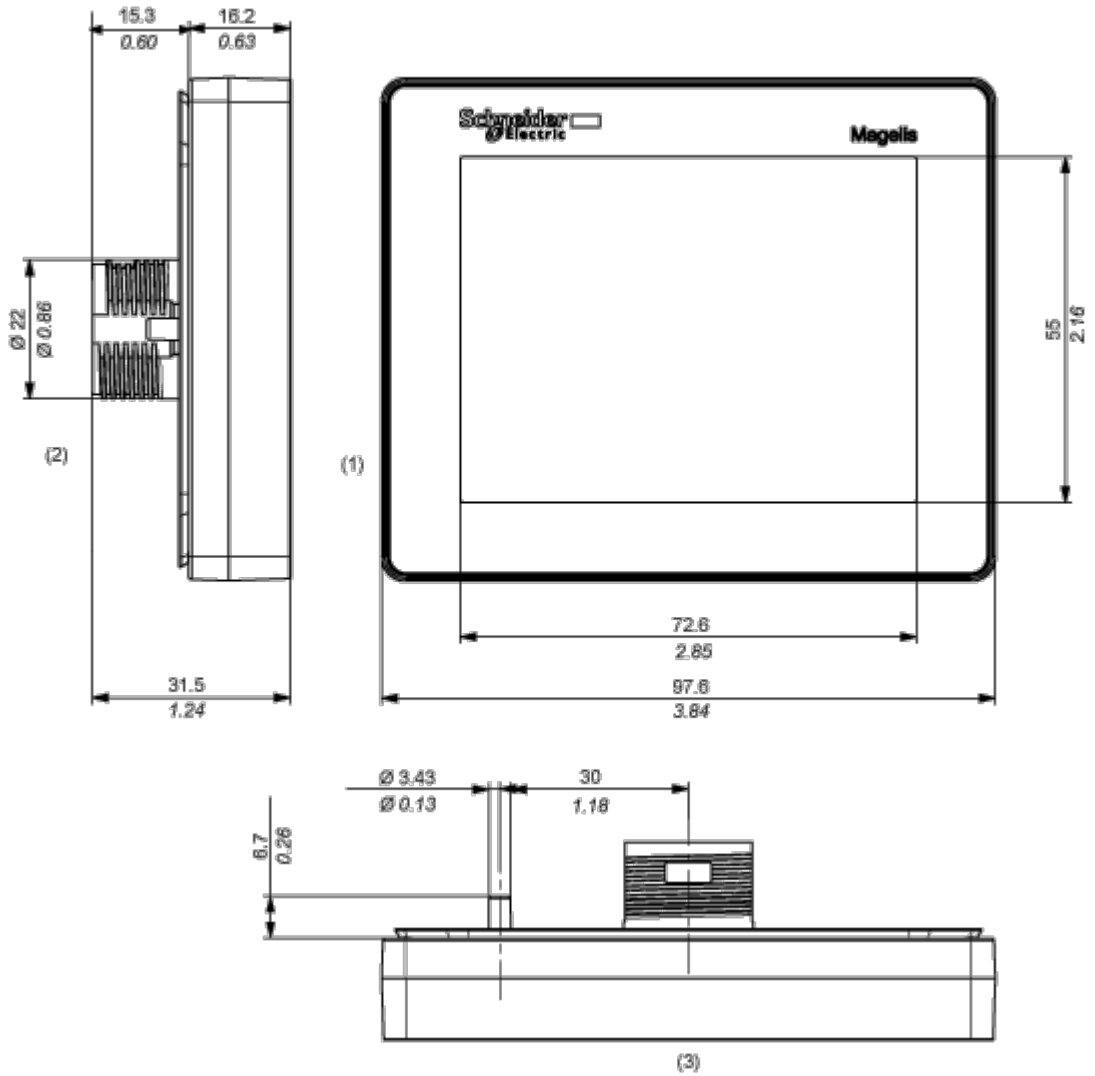


- (1) Front
- (2) Right Side

Display Module

Dimensions

mm  
in.



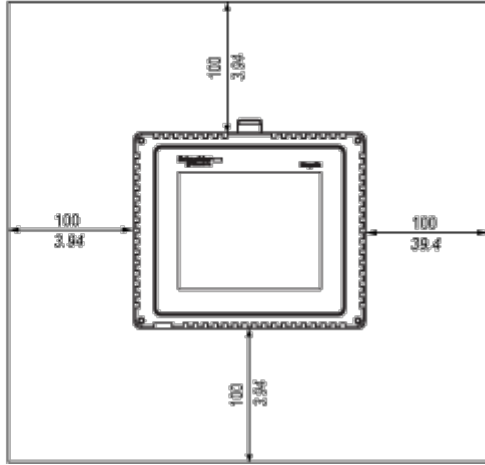
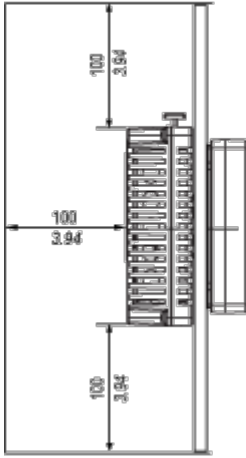
- (1) Front
- (2) Right Side
- (2) Top

Mounting and Clearance

Clearance

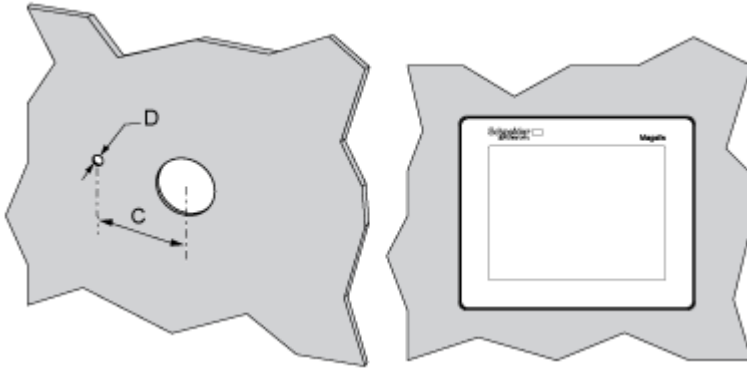
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mm  
in.



Panel Cut-out Dimensions

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C (mm)	C (in.)	D (mm)	D (in.)
+0	+0	+0	+0
30.00	1.18	4.00	0.15
-0.20	-0.007	-0.20	-0.007

**NOTE:** With the tee option, the rotating torque that can be supported by the display module is 6 Nm (53.10 in-lb).

Image of product / Alternate images

Alternative

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