Product data sheet

Specifications



colour touch panel screen, Harmony STO & STU, 5.7inch wide

HMISTU855

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Harmony STO & STU
Product or Component Type	Touch panel screen
Processor name	CPU ARM9

Complementary

Display size	5.7 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	Taiwanese (traditional Chinese) Japanese (ANK, Kanji) Chinese (simplified Chinese) ASCII Korean
[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	6.8 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 <= 115.2 kbits/s) power supply - removable screw terminal block 1 Ethernet - RJ45
Realtime clock	Access to the PLC real-time clock
Downloadable protocols	Uni-TE Modbus TCP/IP Third party protocols Modbus
Fixing mode	Ø 22 mm hole

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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 and PAA
Marking	With Schneider logo CE
Height	5.08 in (129.15 mm)
Width	6.4 in (163 mm)
Depth	2.2 in (56.5 mm)

Environment

Immunity to microbreaks	7 ms
Standards	UL 1604 FCC Class A IEC 61000-6-2 IEC 61131-2 UL 508
Product Certifications	UL class 1 Div2 T4A ou T5 C-tick cULus Marine UKCA
Ambient Air Temperature for Operation	32…122 °F (0…50 °C)
Ambient Air Temperature for Storage	-4…140 °F (-20…60 °C)
Relative humidity	0…85 % without condensation
Operating altitude	<= 6561.68 ft (2000 m)
IP degree of protection	IP20 IEC 60529 rear panel) IP65 IEC 60529 front panel)
NEMA degree of protection	NEMA 4X front panel (indoor use)
Shock resistance	15 gn 11 msIEC 60068-2-27
Vibration resistance	+/- 3.5 mm 5…9 Hz) IEC 60068-2-6 1 gn 9…150 Hz) IEC 60068-2-6
Resistance to electromagnetic fields	9.1 V/m (10 V/m) IEC 61000-4-3

Ordering and shipping details

Category	US10MC222569
Discount Schedule	0MC2
GTIN	3606489909499
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.756 in (7.000 cm)
Package 1 Width	7.087 in (18.000 cm)
Package 1 Length	10.630 in (27.000 cm)
Package weight(Lbs)	30.511 oz (865.000 g)
Unit Type of Package 2	S03

Number of Units in Package 2	8
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	16.127 lb(US) (7.315 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	64
Package 3 Height	29.528 in (75.000 cm)
Package 3 Width	23.622 in (60.000 cm)
Package 3 Length	31.496 in (80.000 cm)
Package 3 Weight	165.073 lb(US) (74.876 kg)

Contractual warranty

Warranty (in months)	18

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	**802 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**94 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]	**707 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.2 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

F-gas usage performance	**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	**7a6de532-1e9f-4049-9a61-3f413d116265**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
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**
Halogen content performance	**Product contains halogen above thresholds**
PVC free	**No**
Silicon free	**No**

Use Again

Repack and remanufacture

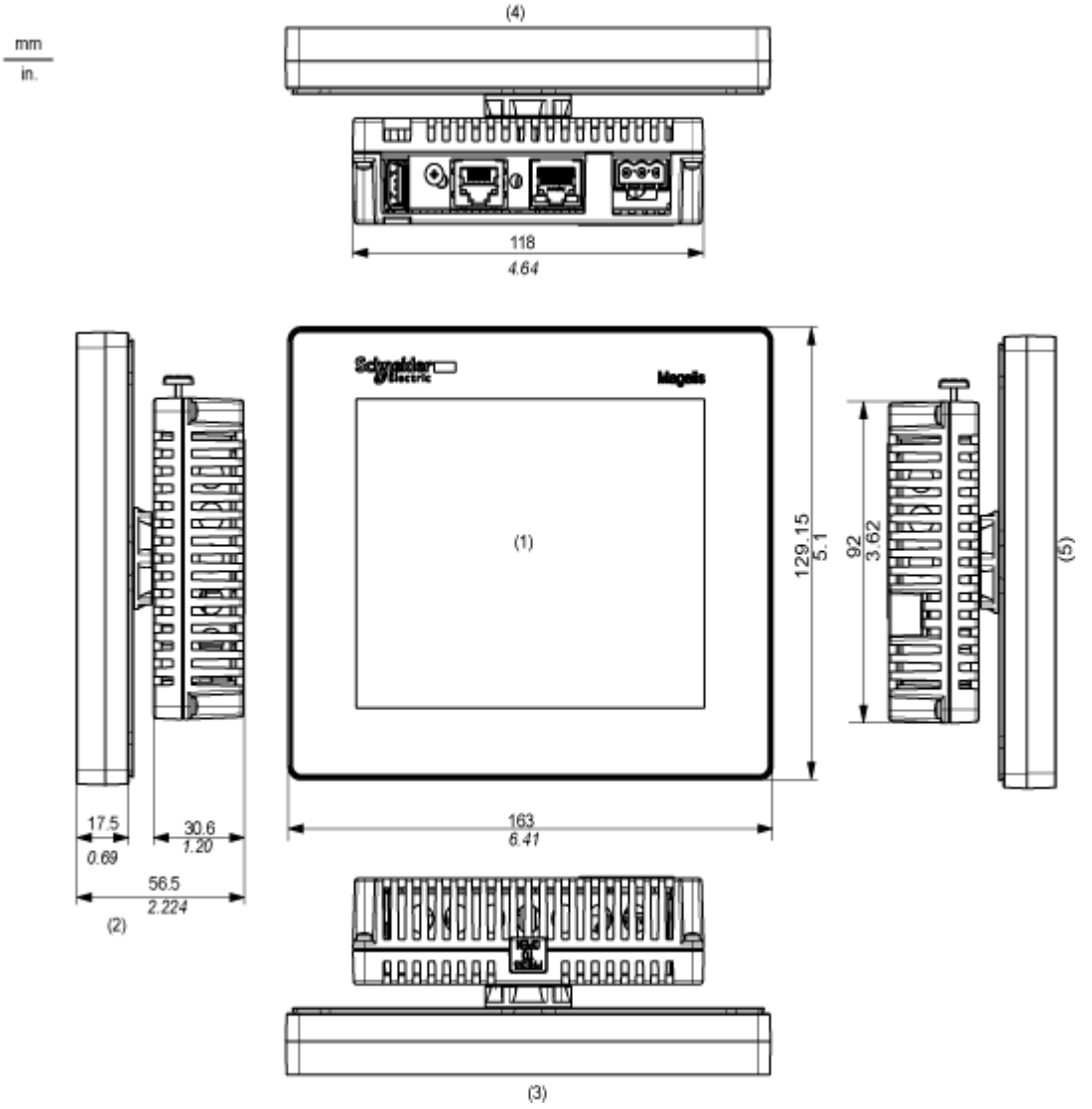
Recyclability potential, in %	**58**
Circularity Profile	**End of Life Information**
Removable battery	**User replaceable**
Take-back	**No**

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

Dimensions



(1) Front

(2) Right side

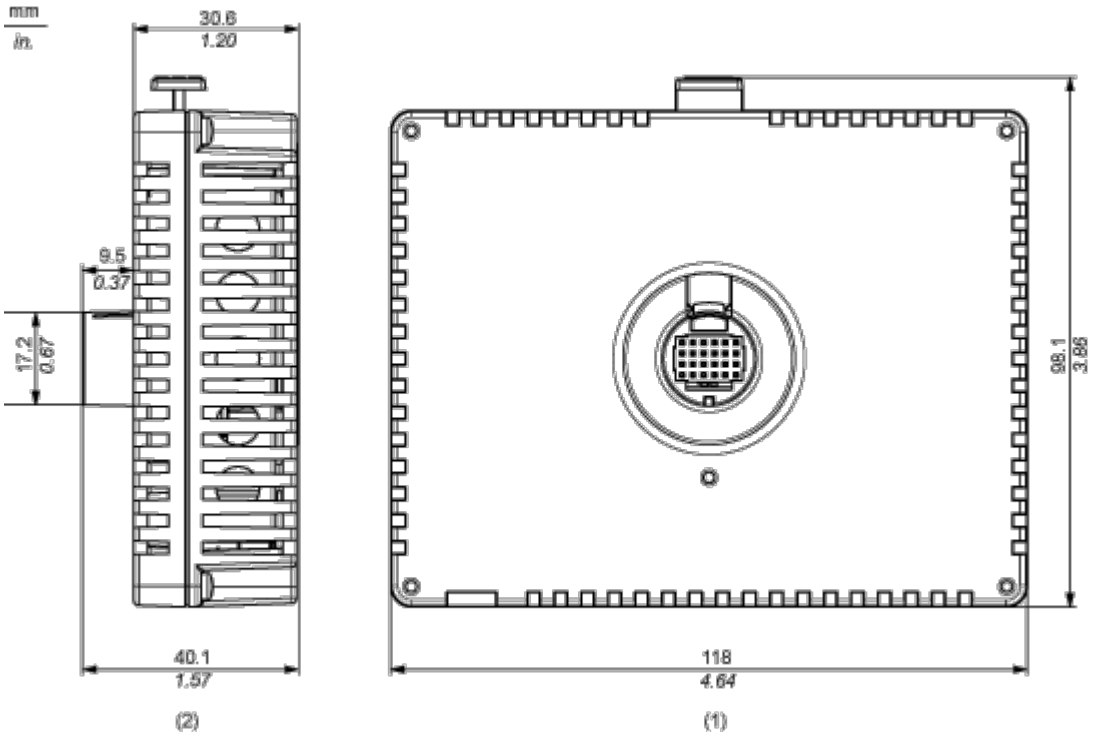
(3) Top

(4) Bottom

(5) Left side

Rear Module

Dimensions

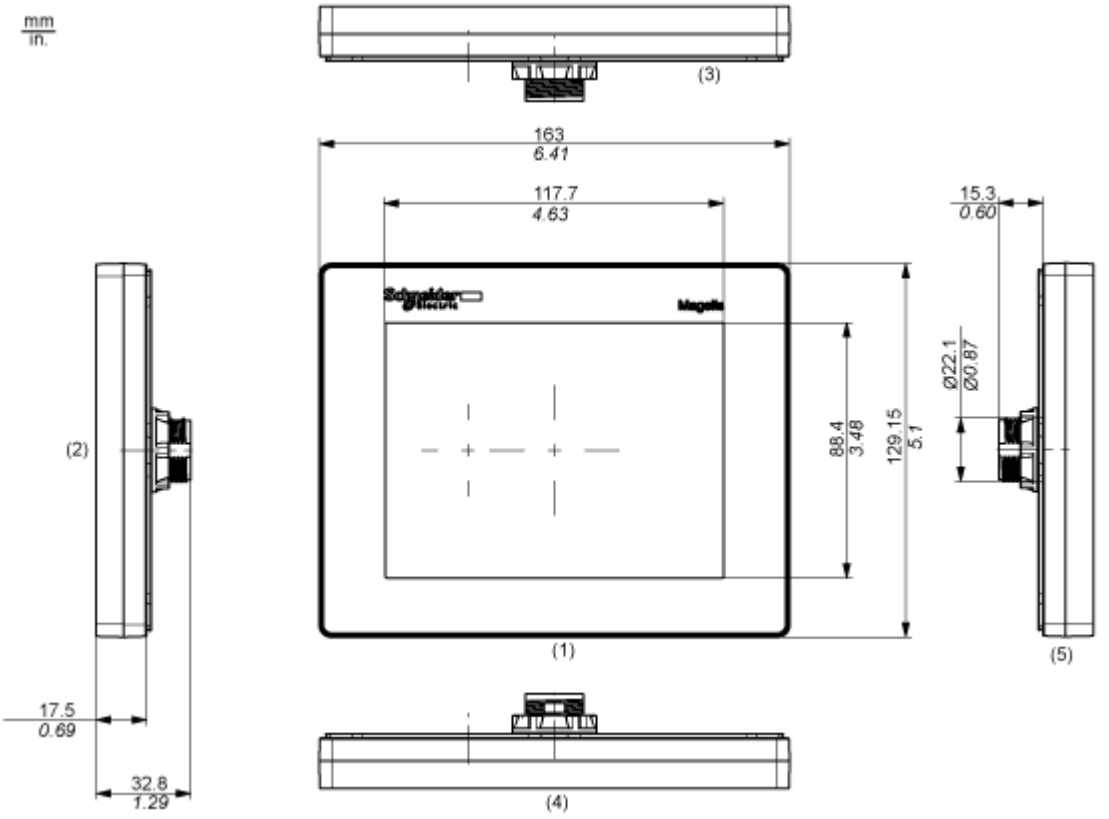


(1) Front

(2) Right Side

Display Module

Dimensions



(1) Front

(2) Right Side

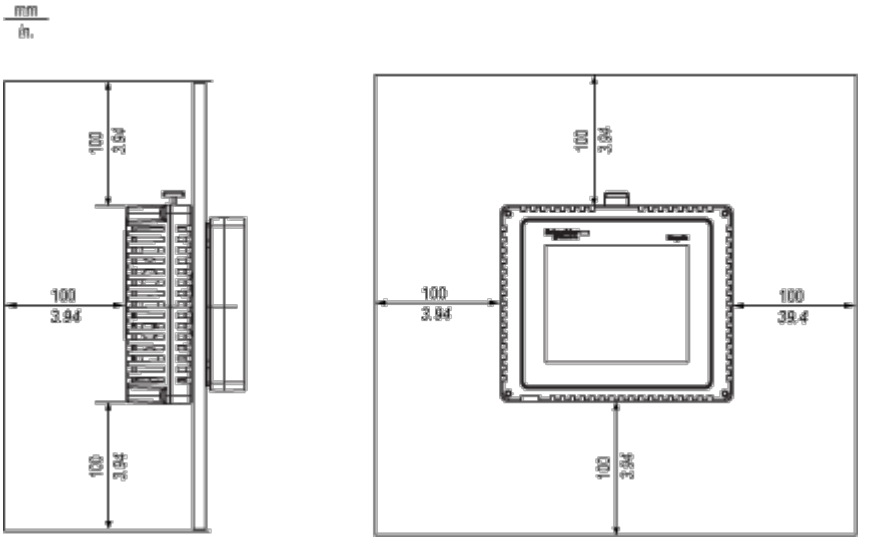
(3) Bottom

(4) Top

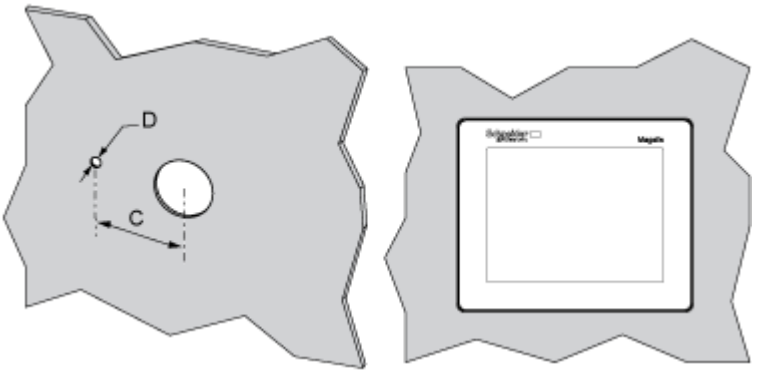
(5) Left Side

Mounting and Clearance

Clearance



Panel Cut-out Dimensions



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








Schneider Electric
Magelis