Product data sheet
Characteristics

HMIST6600
touch panel screen, Harmony ST6, 12inch wide display, 2COM, 2Ethernet, USB host and device, 24V DC

Main

Range of Product	Harmony ST6
Product or Component Type	Touch panel screen
Processor name	ARM Cortex-A8

Complementary

Display size	12 inch
Display Type	Colour TFT LCD
Display colour	16 million colours
Display Resolution	1280 x 800 pixels WXGA
Touch panel	Single touch analogue resistive
Backlight lifespan	50000 hours white
Brightness	16 levels
Character font	ASCII ASCII (European characters) Chinese (simplified Chinese) Japanese (ANK, Kanji) Katakana Korean Taiwanese (traditional Chinese)
[Us] rated supply voltage	24 V DC +/- 20 %)
Inrush current	30 A
Local signalling	Status LED green, steady offline Status LED green, steady operating Status LED green, flashing operating Status LED green, faded stand-by Status LED orange, flashing software starting up Status LED red, steady power supply (ON) Status LED red, flashing operating Status LED red, off power supply (OFF)
Power Consumption in W	18.4 W
Number of pages	200 application pages
Software package	EcoStruxure Operator Terminal Expert
Processor frequency	800 MHz
Port Ethernet	10/100BASE
Memory description	1 GB device memory 512 KB backup memory 128 MB user data memory
Integrated connection type	1 COM1 serial link - 1 SUB-D 9-pin female - RS232C 2400...115200 bps)bottom 1 COM2 serial link - female RJ45 - RS485 2400...115200 bps)back COM2 serial link 2400...187500 bps)back 1 USB 2.0 type Abottom 1 USB 2.0 type micro B 2 Ethernet
Supply	External supply

Realtime clock	Built-in 0...50 °C Built-in 10...90 % RH
Downloadable protocols	Modbus Uni-TE Third party protocols
Product brand	Schneider Electric Modicon Mitsubishi Melsec Omron Sysmac Rockwell Automation Allen-Bradley Siemens Simatic
Fixing mode	By 4 screws 1.6...5 mm thick panel UL 61010-2-201 By 4 screws IEC 61131-2 By 4 screws IEC 61000-6-2
Enclosure Material	PC
Front material	Aluminium
Marking	CE
Cut-out dimensions	295 x 217 mm panel cut dimension
Height	9.25 in (235 mm)
Width	12.32 in (313 mm)
Depth	1.97 in (50 mm)
Net Weight	3.97 lb(US) (1.8 kg)

Environment

Immunity to microbreaks	10 ms
Standards	IEC 61000-6-4 IEC 61000-6-2 IEC 61131-2 UL 61010-2-201 CSA C22.2 No 61010-2-201
Product Certifications	CSA[RETURN]CE[RETURN]UKCA
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Ambient Air Temperature for Operation	32…122 °F (0…50 °C)
Ambient Air Temperature for Storage	-4…140 °F (-20…60 °C)
Relative humidity	10…90 % non-condensing
Operating altitude	6561.68 ft (2000 m)
IP degree of protection	IP20 IEC 61131-2 rear panel) IP65 IEC 61131-2 front panel)
NEMA degree of protection	NEMA 4 front panel (indoor use) NEMA 13 front panel (in enclosure)
Shock resistance	147 m/s² 11 ms X, Y, Z directions for 3 times)IEC 61131-2
Vibration resistance	+/- 3.5 mm 5…9 Hz) X, Y, Z directions for 10 cycles (approx. 100 min) IEC 61131-2 9.8 m/s² 9…150 Hz)
Electromagnetic compatibility	Electrical fast transient/burst immunity test - test level: 2 kV (power ports) conforming to IEC 61000-4-4 Electrical fast transient/burst immunity test - test level: 1 kV (signal ports) Electrostatic discharge immunity test - test level: 6 kV (contact discharge) conforming to IEC 61000-4-2 level 3 Electrostatic discharge immunity test - test level: 8 kV (air discharge)

Ordering and shipping details

Category	22565-HARMONY BASIC HMI
Discount Schedule	MC2
GTIN	3606489523404
Returnability	Yes
Country of origin	CN

Life Is On | Schneider Electric
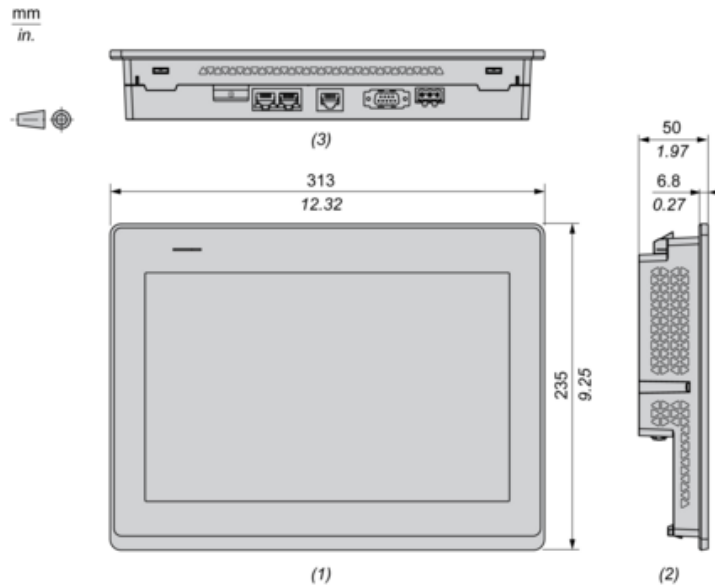
Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.12 in (13.000 cm)
Package 1 Width	12.01 in (30.500 cm)
Package 1 Length	15.94 in (40.500 cm)
Package 1 Weight	5.12 lb(US) (2.324 kg)
Unit Type of Package 2	S06
Number of Units in Package 2	8
Package 2 Height	29.53 in (75.000 cm)
Package 2 Width	23.62 in (60.000 cm)
Package 2 Length	31.50 in (80.000 cm)
Package 2 Weight	62.88 lb(US) (28.520 kg)

Offer Sustainability

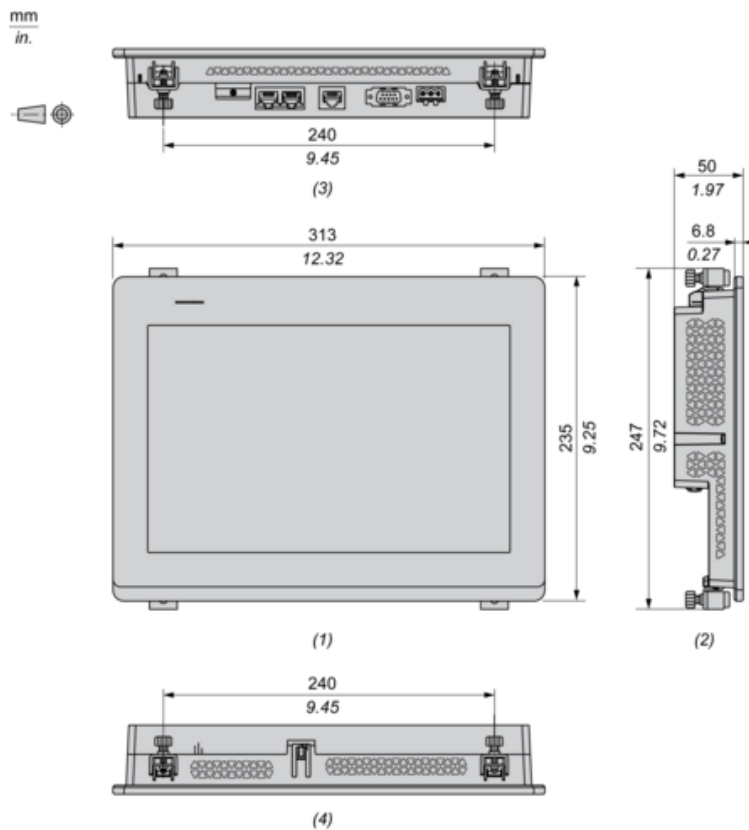|	
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Dimensions

External Dimensions

mm
in.

(3)

313
12.32

235
9.25

(1)

50
1.97

6.8
0.27

(2)

(1) : Front
(2) : Left
(3) : Bottom

Dimensions with Installation Fasteners

mm
in.

240
9.45

(3)

313
12.32

235
9.25

247
9.72

50
1.97

6.8
0.27

(1)

(2)

240
9.45

(4)

(1) : Front
(2) : Left

(3) : Bottom

(4) : Top

Dimensions with Cables
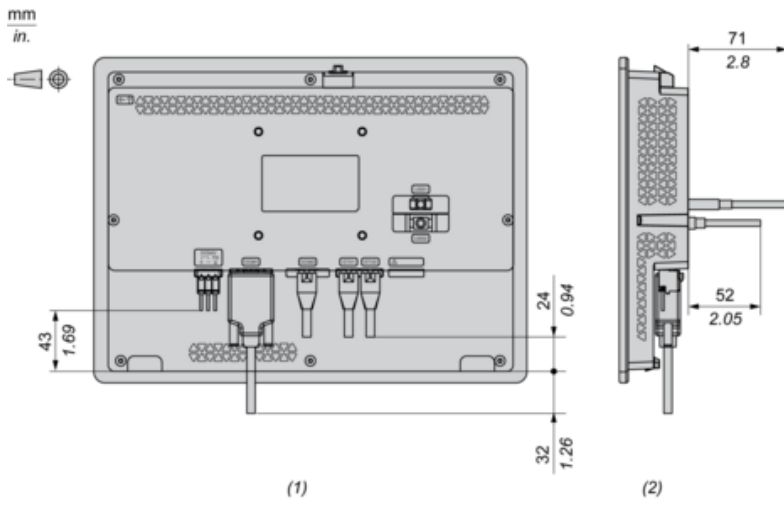
$\dfrac{mm}{in.}$

(1) : Rear

(2) : Right

Mounting

Panel Cut Dimensions
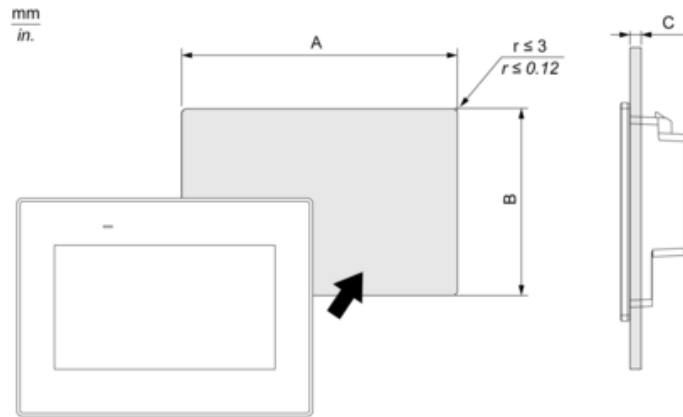
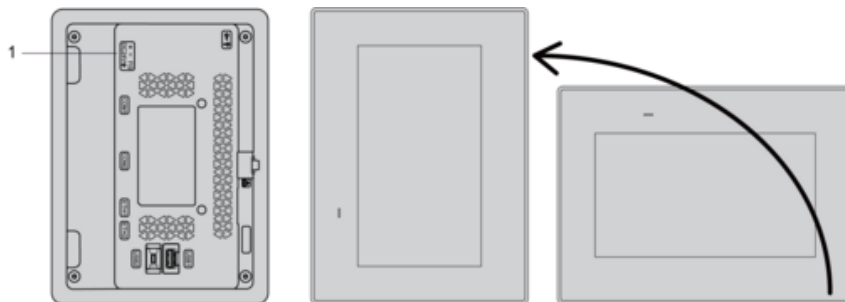| A		B		C	
mm	in.	mm	in.	mm	in.
295 (+1, -0)	11.61 (+0.04, -0)	217 (+1, -0)	8.54 (+0.04, -0)	1.6...5	0.06...0.2

Installation Requirements
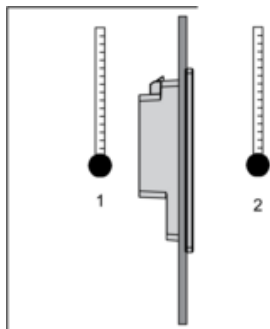
1 : Internal temperature

2 : External temperature

1 : Power connector

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Mounting Angle

0...30° 0...30°

Clearance

mm
in.

100 / 3.94

100 / 3.94

100 / 3.94

100 / 3.94

100 / 3.94

100 / 3.94