



Main

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| Range of product | Harmony ST6 |
| Product or component type | Touch panel screen |

Complementary

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|---------------------------|--|
| Display size | 7 inch |
| Display type | Colour TFT LCD |
| Display colour | 16 million colours |
| Display resolution | 800 x 480 pixels WVGA |
| Touch panel | Single touch analogue resistive |
| Backlight lifespan | 20000 hours with 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 for offline Status LED green, steady for operating Status LED green, flashing for operating Status LED green, faded for stand-by Status LED orange, flashing for software starting up Status LED red, steady for power supply (ON) Status LED red, flashing for operating Status LED red, off for power supply (OFF) |
| Power consumption in W | 3.6 W |
| Number of pages | 200 application pages |
| Software package | EcoStruxure Operator Terminal Expert |
| Realtime clock | Built-in 0...50 °C Built-in 10...90 % RH |
| Fixing mode | Ø 22 mm hole, mounting on 1.5 to 6 mm thick panel conforming to UL 61010-2-201 Ø 22 mm hole conforming to IEC 61131-2 Ø 22 mm hole conforming to IEC 61000-6-2 |
| Front material | Plastic |
| Marking | CE |
| Cut-out dimensions | Ø 22.5 mm |
| Height | 137.2 mm |
| Width | 201.2 mm |

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| Depth | 33 mm |
| Net weight | 0.49 kg |



Environment

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|---------------------------------------|---|
| Immunity to microbreaks | 2 ms |
| Standards | IEC 61000-6-4 IEC 61000-6-2 IEC 61131-2 UL 61010-2-201 CSA C22.2 No 61010-2-201 CSA C22.2 No 213 |
| Product certifications | CE[RETURN]UKCA[RETURN]cULus[RETURN]RCM[RETURN]KC[RETURN]cULus Class 1 Division 2[RETURN]DNV[RETURN]ABS[RETURN]RINA[RETURN]BV |
| Directives | 2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility |
| Ambient air temperature for operation | 0...50 °C |
| Ambient air temperature for storage | -20...60 °C |
| Relative humidity | 10...90 % non-condensing |
| Operating altitude | 2000 m |
| IP degree of protection | IP65 (front panel) conforming to IEC 61131-2 |
| NEMA degree of protection | NEMA 4 front panel (indoor use) NEMA 13 front panel (in enclosure) |
| Shock resistance | 147 m/s ² for 11 ms (X, Y, Z directions for 10 cycles (approx. 100 min)) conforming to IEC 61131-2 |
| Vibration resistance | +/- 3.5 mm (f = 5...9 Hz) X, Y, Z directions for 10 cycles (approx. 100 min) conforming to IEC 61131-2 9.8 m/s ² (f = 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) |

Packing Units

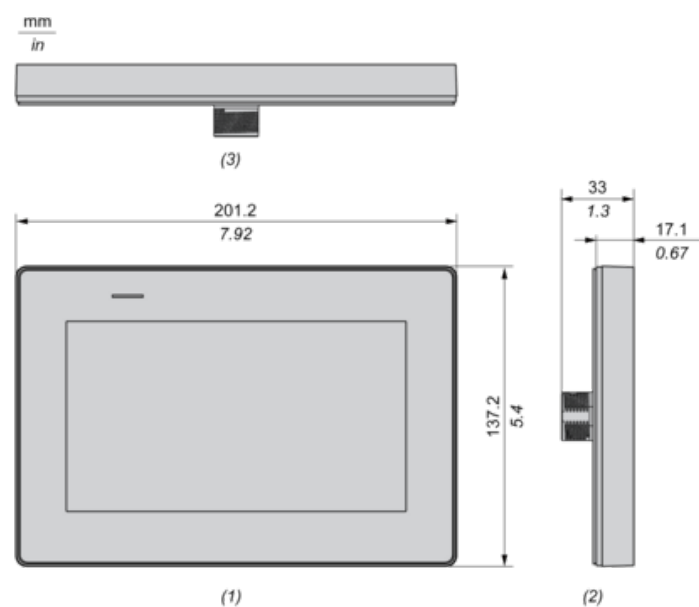
| | |
|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 9.4 cm |
| Package 1 Width | 18 cm |
| Package 1 Length | 27 cm |
| Package 1 Weight | 697 g |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 6 |
| Package 2 Height | 30 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 5.009 kg |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 48 |
| Package 3 Height | 80 cm |
| Package 3 Width | 60 cm |
| Package 3 Length | 80 cm |
| Package 3 Weight | 45.772 kg |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| China RoHS Regulation |  China RoHS Declaration |
| RoHS exemption information |  Yes |
| Environmental Disclosure |  Product Environmental Profile |
| Circularity Profile |  End Of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Dimensions

External Dimensions



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