# Product data sheet

Specifications



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

HMISTU655

**Product availability: Stock - Normally stocked in distribution facility**

## 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** | Chinese (simplified Chinese)<br>Japanese (ANK, Kanji)<br>ASCII<br>Korean<br>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 |
| **Memory description** | Application memory 16 MB<br>Back up of data 64 kB |
| **Integrated connection type** | 1 USB 2.0 type mini B<br>1 USB 2.0 type A<br>COM1 serial link - female RJ45 - RS232C/RS485 <= 115.2 kbits/s)<br>power supply - removable screw terminal block<br>1 Ethernet - RJ45 |
| **Realtime clock** | Access to the PLC real-time clock |
| **Downloadable protocols** | Modbus TCP/IP<br>Modbus<br>Uni-TE<br>Third party protocols |
| **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 |
| **Marking** | With Schneider logo<br>CE |
| **Height** | 3.86 in (98.15 mm) |
| **Width** | 4.6 in (118 mm) |
| **Depth** | 2.2 in (55.3 mm) |

## Environment

| | |
|---|---|
| **Immunity to microbreaks** | 10 ms |
| **Standards** | IEC 61000-6-2<br>IEC 61131-2<br>UL 1604<br>UL 508<br>FCC Class A |
| **Product Certifications** | cULus<br>C-tick<br>Marine<br>UL class 1 Div2 T4A ou T5<br>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)<br>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<br>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** | 3606489909482 |
| **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** | 5.315 in (13.500 cm) |
| **Package 1 Length** | 7.283 in (18.500 cm) |
| **Package weight(Lbs)** | 19.859 oz (563.000 g) |
| **Unit Type of Package 2** | S03 |

| | |
|---|---|
| **Number of Units in Package 2** | 16 |
| **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** | 21.414 lb(US) (9.713 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 | **518 kg CO2 eq.** |
| 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.** |
| 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 | **3d02a16a-b371-402f-abda-886a20922dcb** |
| 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 Longer

### Lifetime extension

| | |
|---|---|
| Repair | **No** |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **58** |

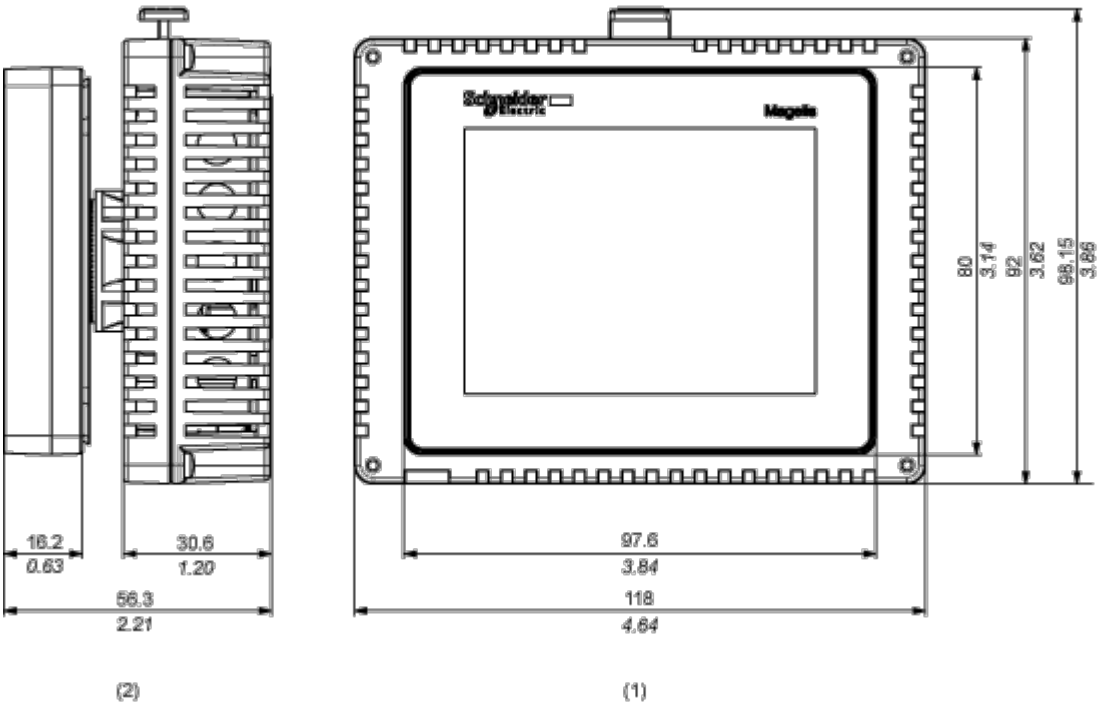
| | |
|---|---|
| Circularity Profile | End of Life Information |
| Removable battery | User replaceable |
| Take-back | No |
| WEEE Label | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

Dimensions Drawings

## Display and Rear Modules

### Dimensions

mm
in.

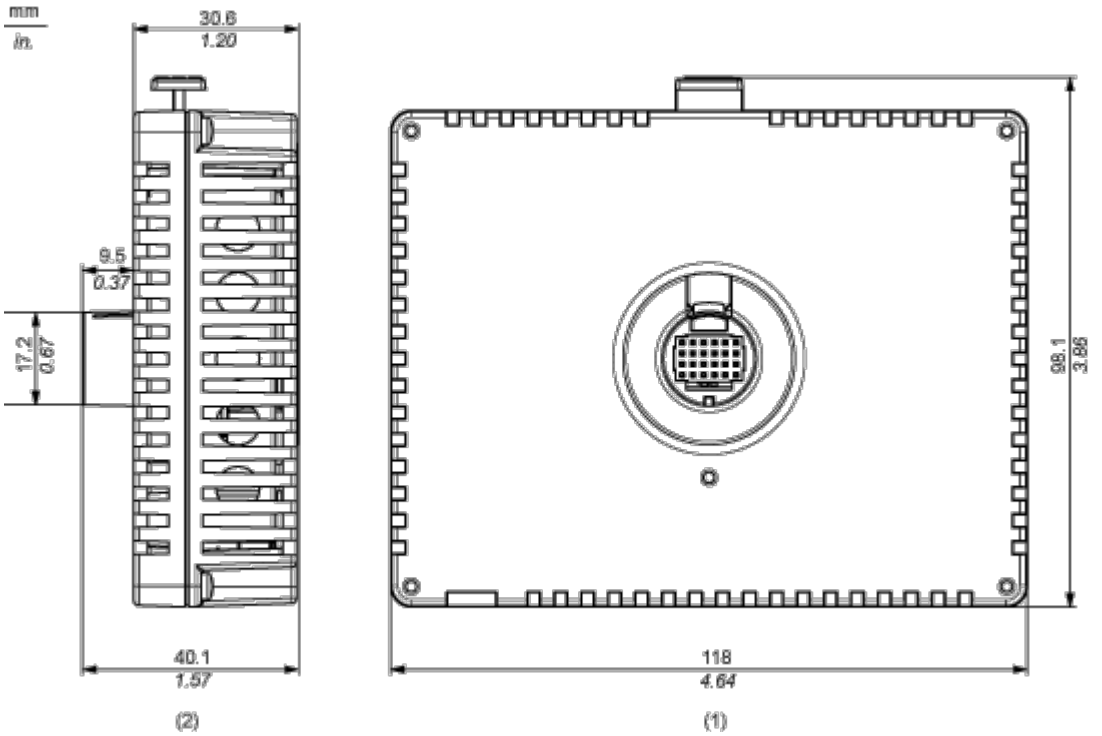



**(1)** Right Side

**(2)** Front

## Rear Module

### Dimensions



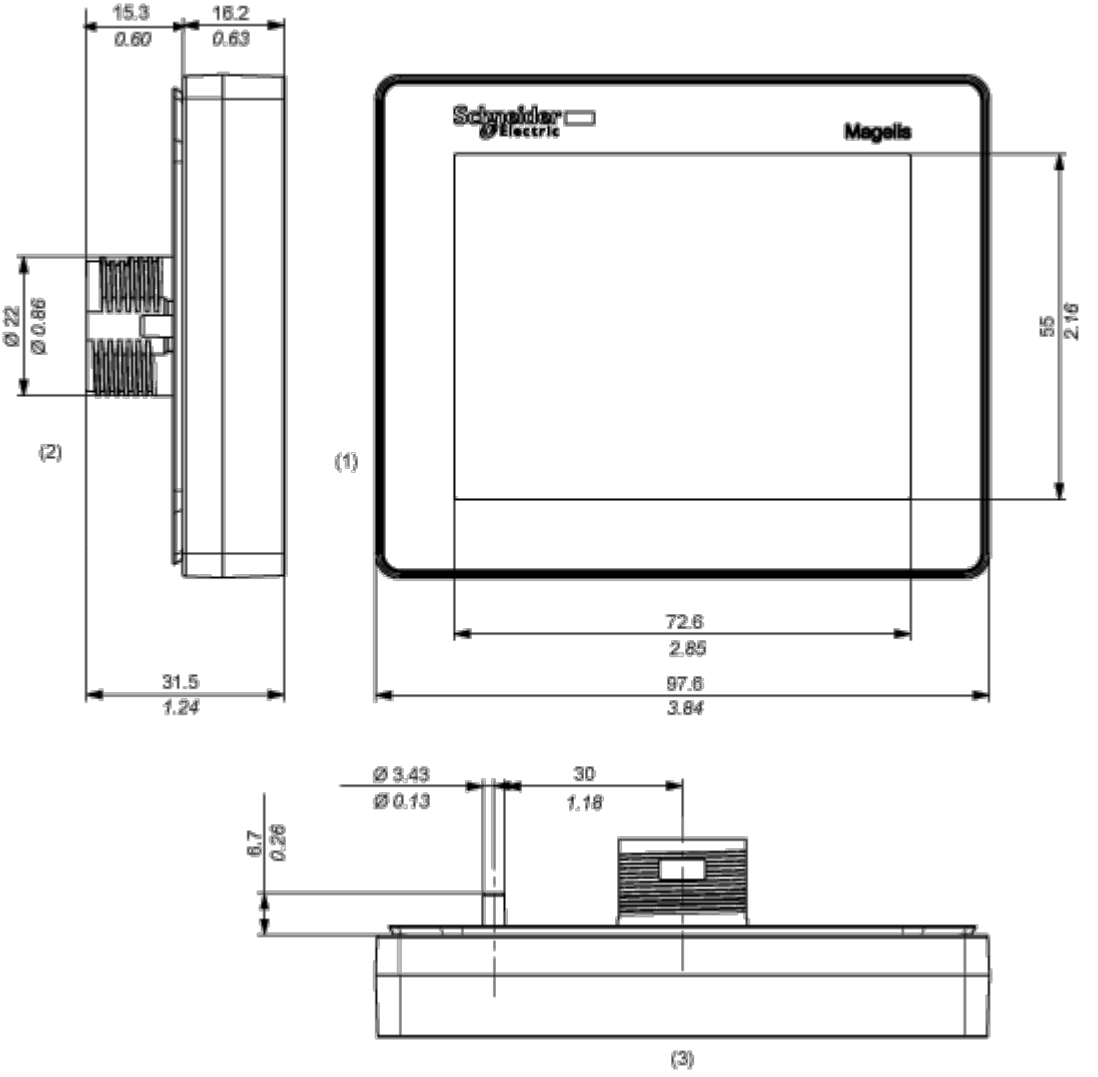

**(1)** Front

**(2)** Right Side

## Display Module

### Dimensions

mm
in.



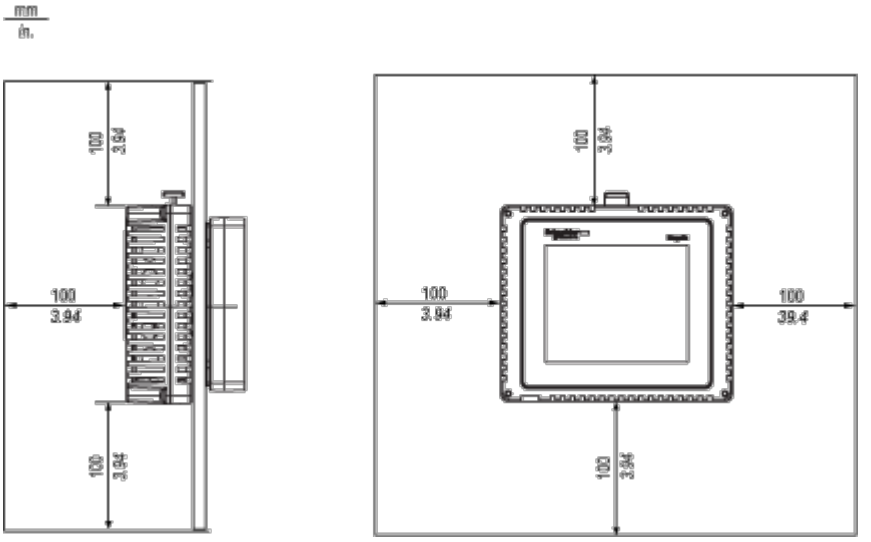

**(1)** Front

**(2)** Right Side

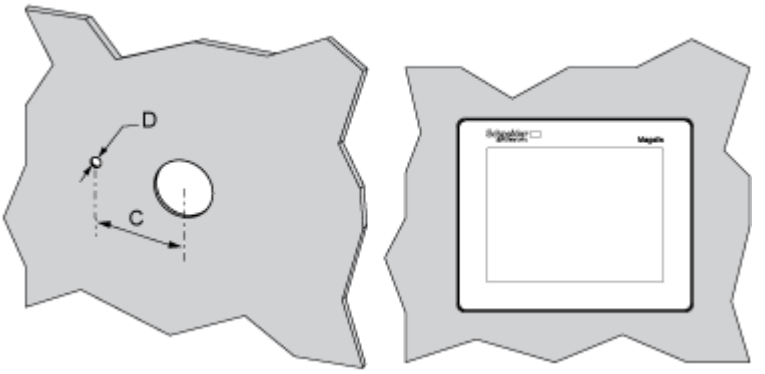
**(2)** Top

Mounting and Clearance

## Clearance



## Panel Cut-out Dimensions




| C (mm) | C (in.) | D (mm) | D (in.) |
|---|---|---|---|
| +0<br>30.00<br>-0.20 | +0<br>1.18<br>-0.007 | +0<br>4.00<br>-0.20 | +0<br>0.15<br>-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**

