



### Main

|                           |                    |
|---------------------------|--------------------|
| Range of product          | Magelis STO & STU  |
| Product or component type | Touch panel screen |
| Software designation      | Vijeo Designer     |
| Operating system          | Magelis            |
| Processor name            | CPU RISC           |

### Complementary

|                            |  |
|----------------------------|--|
| Display size               | 3.4 inch   |
| Display type               | Backlit monochrome STN LCD   |
| Background colour          | White, pink and red  |
| Display resolution         | 200 x 80 pixels  |
| Touch panel                | Analogue   |
| Backlight lifespan         | 10000 hours with red<br>50000 hours with pink<br>50000 hours with white  |
| Brightness                 | 8 levels   |
| Contrast                   | 16 levels via touch panel  |
| Character font             | ASCII<br>Chinese (simplified Chinese)<br>Japanese (ANK, Kanji)<br>Korean<br>Taiwanese (traditional Chinese)  |
| [Us] rated supply voltage  | 24 V DC +/- 20 %   |
| Inrush current             | 30 A   |
| Local signalling           | 1 LED with green for normal operation  |
| Power consumption in W     | 5 W  |
| Number of pages            | Limited by internal memory capacity  |
| Processor frequency        | 333 MHz  |
| Memory description         | Application memory, 16 MB<br>Back up of data, 128 kB   |
| Integrated connection type | 1 USB 2.0 type mini B<br>1 USB 2.0 type A<br>Removable screw terminal block connector power supply<br>Female RJ45 connector COM1 serial link with RS232C/RS485 interface at <= 115.2 kbits/s |

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

|                        |   |
|------------------------|---|
| Supply                 | External source                             |
| Realtime clock         | Access to the PLC real-time clock           |
| Downloadable protocols | Modbus<br>Third party protocols<br>Uni-TE   |
| Fixing mode            | By 2 spring clips on 1.6...5 mm thick panel |
| Enclosure material     | PPT   |
| Marking                | CE  |
| Height                 | 77.5 mm                                     |
| Width                  | 116.5 mm                                    |
| Depth                  | 36.5 mm                                     |

## Environment

|                                       |  |
|---------------------------------------|--|
| Immunity to microbreaks               | 3 ms   |
| Standards                             | EN 61131-2<br>FCC Class A<br>IEC 61000-6-2<br>UL 1604<br>UL 508  |
| Product certifications                | CE<br>C-Tick<br>cULus<br>GOST<br>UL Class 1 Division 2 T4A<br>UL Class 1 Division 2 T5<br>KCC              |
| Ambient air temperature for operation | 0...50 °C  |
| Ambient air temperature for storage   | -20...60 °C  |
| Relative humidity                     | 0...90 % without condensation  |
| Operating altitude                    | <= 2000 m  |
| IP degree of protection               | IP20 (rear panel) conforming to IEC 60529<br>IP65 (front panel) conforming to IEC 60529                    |
| NEMA degree of protection             | NEMA 4X front panel (indoor use)   |
| Shock resistance                      | 15 gn for 11 ms conforming to IEC 60068-2-27   |
| Vibration resistance                  | +/- 3.5 mm (f = 5...9 Hz) conforming to IEC 60068-2-6<br>1 gn (f = 9...150 Hz) conforming to IEC 60068-2-6 |
| Electromagnetic compatibility         | Resistance to radiated electromagnetic fields : 10 V/m conforming to IEC 61000-4-3                         |

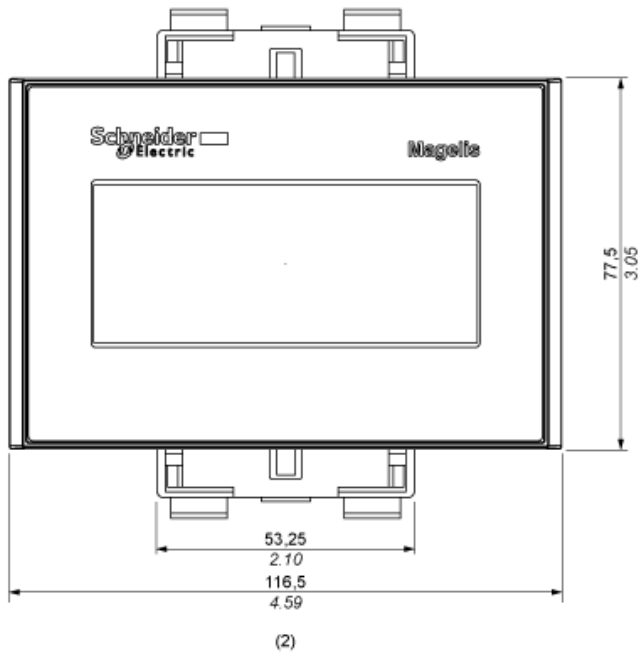
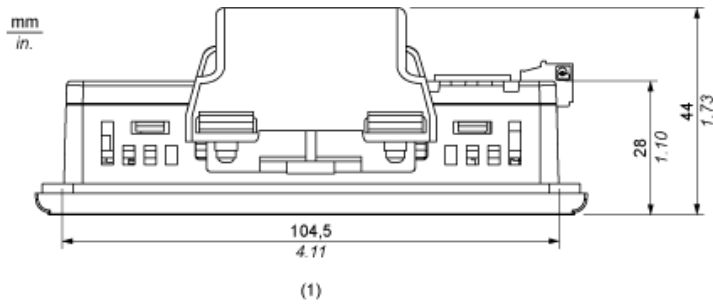
## Offer Sustainability

|                        |   |
|------------------------|---|
| RoHS (date code: YYWW) | Compliant - since 1010 - Schneider Electric declaration of conformity<br><a href="#">Schneider Electric declaration of conformity</a> |
| REACH                  | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>                |

## Contractual warranty

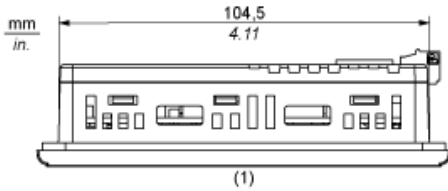
|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

Dimensions with Spring Clips

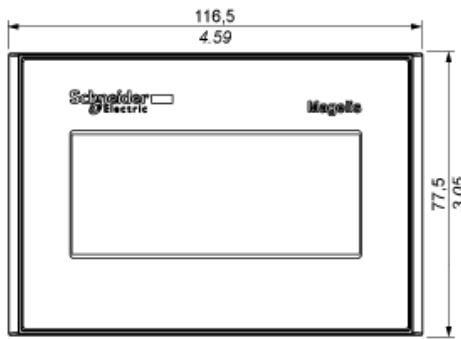


- (1) Top
- (2) Front

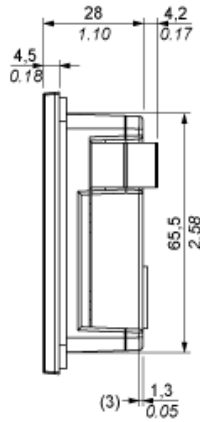
Dimensions without Spring Clips



(1)



(2)

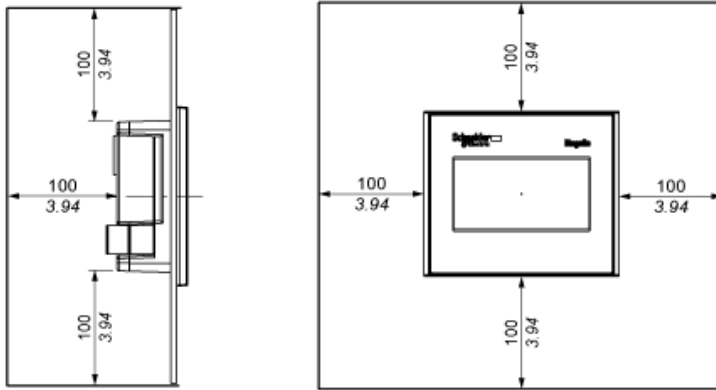


(3)

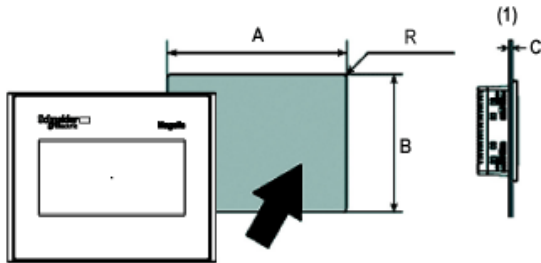
- (1) Top
- (2) Front
- (3) Right Side

Clearance

$\frac{\text{mm}}{\text{in.}}$



Panel Cut-out Dimensions



(1) Panel

| A (mm) | A (in.) | B (mm) | B (in.) | C (mm)<br>Spring Clips | C (in.)<br>Spring Clips | R (mm)     | R (in.)        |
|--------|---------|--------|---------|------------------------|-------------------------|------------|----------------|
| +1     | +0.04   | +1     | +0.04   | 1.5 to 6.0             | 0.059 to 0.236          | 2.0 to 3.0 | 0.078 to 0.118 |
| 105    | 4.13    | 66     | 2.59    |                        |                         |            |                |
| -0     | -0      | -0     | -0      |                        |                         |            |                |