



### Main

|                           |                                    |
|---------------------------|------------------------------------|
| Range of product          | Magelis XBT GC, GT/GK with control |
| Product or component type | Small touch HMI controller         |
| Display size              | 3.8 inch                           |
| Display type              | Backlit monochrome STN LCD         |
| Display colour            | 8 levels of grey<br>Amber or red   |
| Pixel resolution          | 320 x 240 pixels QVGA              |
| Touch panel               | Analogue                           |
| [Us] rated supply voltage | 24 V DC                            |
| Supply                    | External source                    |
| Supply voltage limits     | 19.2...28.8 V                      |
| Enclosure material        | PPT                                |

### Complementary

|                             |                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------|
| Backlight lifespan          | 50000 hours (amber)<br>10000 hours (red)                                                                    |
| Brightness                  | 8 levels                                                                                                    |
| Contrast                    | 8 levels via touch panel                                                                                    |
| Character font              | ASCII<br>Chinese (simplified Chinese)<br>Japanese (ANK, Kanji)<br>Korean<br>Taiwanese (traditional Chinese) |
| Inrush current              | <= 30 A                                                                                                     |
| Power consumption           | 18 W                                                                                                        |
| Local signalling            | 1 LED (green) for normal operation                                                                          |
| Number of pages             | Limited by internal memory capacity                                                                         |
| Software designation        | SoMachine                                                                                                   |
| Operating system            | Magelis                                                                                                     |
| Processor name              | CPU RISC                                                                                                    |
| Processor frequency         | 131 MHz                                                                                                     |
| Memory description          | Back up of data, 512 kB<br>Application memory, 16 MB                                                        |
| Integrated connection type  | Power supply removable screw terminal block<br>1 USB port (V1.1) USB type A                                 |
| I/O expansion capacity      | 2 M238 modules                                                                                              |
| Realtime clock              | Built-in                                                                                                    |
| Fixing mode                 | By 4 screw clips (1.6...5 mm thick panel)                                                                   |
| Marking                     | CE                                                                                                          |
| Discrete input number       | 12                                                                                                          |
| Discrete input voltage      | 24 V                                                                                                        |
| Discrete input voltage type | DC                                                                                                          |
| Number of common point      | 1I/1O                                                                                                       |
| Input voltage limits        | 20.4...28.8 V                                                                                               |
| Discrete input logic        | Source                                                                                                      |

|                            |                                                                                                                            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Discrete input current     | 6.5 mA on I0.0, I0.2, I0.4, I0.6<br>5 mA on other I0.i                                                                     |
| Input impedance            | 4.7 kOhm on other I0.i<br>3.7 kOhm on I0.0, I0.2, I0.4, I0.6                                                               |
| Filter time                | 0.5...20 ms at state 1<br>0.5...20 ms at state 0                                                                           |
| Isolation between channels | None                                                                                                                       |
| Discrete output number     | 6                                                                                                                          |
| Discrete output type       | Transistor                                                                                                                 |
| Discrete output voltage    | 24 V                                                                                                                       |
| Output voltage limits      | 20.4...28.8 V                                                                                                              |
| Discrete output logic      | Source                                                                                                                     |
| Discrete output current    | 0.2 A                                                                                                                      |
| Current per output common  | 1.2 A                                                                                                                      |
| Response time              | 500 µs at state 1 other Q0.i<br>500 µs at state 0 other Q0.i<br>5 µs at state 1 Q0.0...Q0.3<br>5 µs at state 0 Q0.0...Q0.3 |
| [Ures] residual voltage    | <= 0.5 V at state 1                                                                                                        |
| Leakage current            | 0.1 mA                                                                                                                     |
| Short circuit protection   | 2.5 A fuse                                                                                                                 |
| Height                     | 104 mm                                                                                                                     |
| Width                      | 130 mm                                                                                                                     |
| Depth                      | 76.5 mm                                                                                                                    |
| Product weight             | 0.4 kg                                                                                                                     |

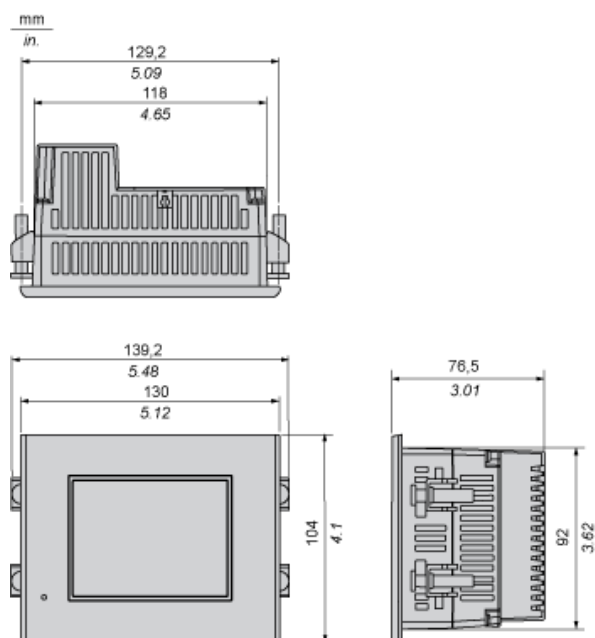
## Environment

|                                       |                                                                                                          |
|---------------------------------------|----------------------------------------------------------------------------------------------------------|
| Immunity to microbreaks               | <= 10 ms                                                                                                 |
| Standards                             | EN 61131-2<br>FCC Class A<br>IEC 61000-6-2<br>UL 1604<br>UL 508<br>CSA C22.2 No 14                       |
| Product certifications                | CSA<br>C-Tick<br>CULus<br>UL class 1 Div2 T4A ou T5                                                      |
| Ambient air temperature for operation | 0...50 °C                                                                                                |
| Ambient air temperature for storage   | -20...60 °C                                                                                              |
| Relative humidity                     | 10...90 % without condensation                                                                           |
| Operating altitude                    | <= 2000 m                                                                                                |
| IP degree of protection               | IP65 (front panel) conforming to IEC 60529<br>IP20 (rear panel) conforming to IEC 60529                  |
| NEMA degree of protection             | NEMA 4X (front panel)                                                                                    |
| Shock resistance                      | 147 m/s² conforming to IEC 60068-2-27                                                                    |
| Vibration resistance                  | 1 gn (f = 9...150 Hz conforming to IEC 60068-2-6<br>+/- 3.5 mm (f = 5...9 Hz conforming to IEC 60068-2-6 |

## Offer Sustainability

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                 |
| RoHS (date code: YYWW)           | Compliant - since 0836 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                     |
| Product environmental profile    | Available <a href="#">Download Product Environmental</a>                              |
| Product end of life instructions | Need no specific recycling operations                                                 |

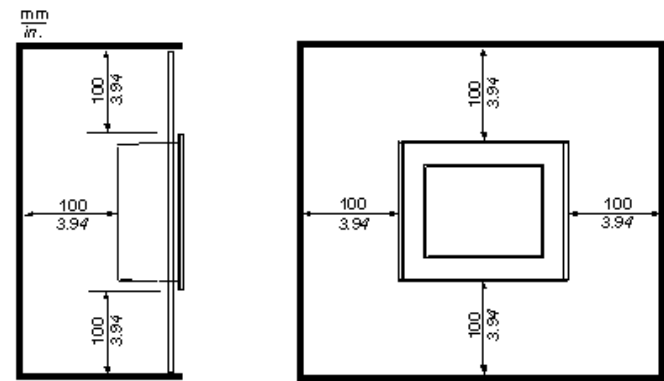
## Dimensions



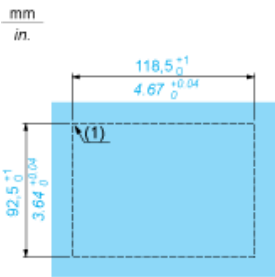
Clearance

Installation Requirements

For easier maintenance, operation and improved ventilation, be sure to install the unit at least 100 mm (3.94 in) away from adjacent structures and other equipment:



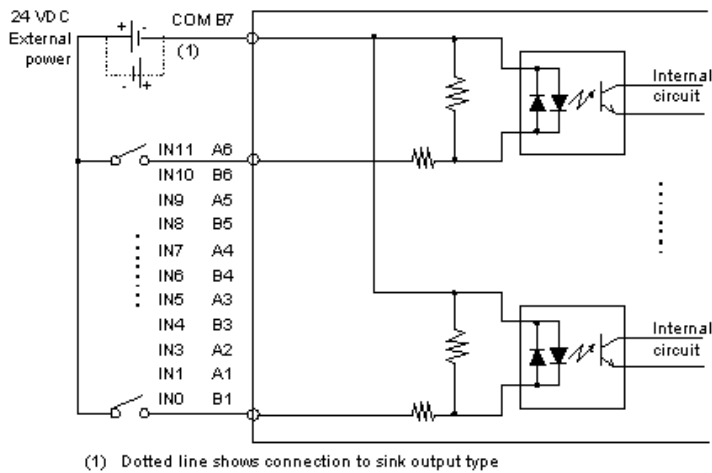
Panel Cut-out Dimensions



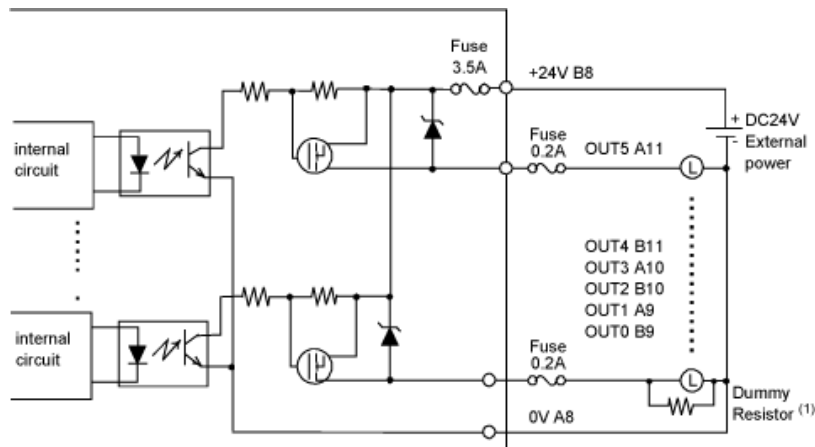
(1) r<3

## Wiring Diagrams

### Input Circuit



### Output Circuit (Source)



(1) (Example) The output delay time (OFF to ON) is 1.5  $\mu$ s where the output current is 50 mA. Install an external dummy resistor to increase the amount of current when faster response is required when the load is light.