



Main

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|---------------------------------------|--|
| Range of product | Magelis XBTGK |
| Product or component type | Advanced touchscreen panel with keyboard type |
| Display type | Backlit monochrome STN LCD |
| Display colour | 16 levels of grey Black and white |
| Display resolution | 320 x 240 pixels QVGA |
| Display size | 5.7 inch |
| Software type | Configuration software |
| Software designation | Vijeo Designer |
| Operating system | Magelis |
| Processor name | CPU RISC |
| Processor frequency | 133 MHz |
| Memory description | Application memory flash EPROM 16 MB Back up of data SRAM 512 kB lithium battery |
| Integrated connection type | 1 USB type A master port (V1.1) Modicon M340 terminal port communication COM1 serial link male SUB-D 9 RS232C/RS422/RS485 <= 115.2 kbits/s COM2 serial link RJ45 RS485 <= 187.5 kbit/s Siemens MPI (187.5 kbits/s) Power supply removable screw terminal block |
| Resistance to electrostatic discharge | 4 kV IEC 61000-4-2 level 3 |
| Cut-out dimensions | 209 (+/- 0.4) x 243 (+/- 0.4) mm |

Complementary

| | |
|--------------------------------------|---|
| Touch sensitive zone | 1024 x 1024 |
| Touch panel | Analogue |
| Backlight lifespan | 58000 hours |
| Brightness | 8 levels via touch panel |
| Contrast | 8 levels via touch panel |
| Character font | ASCII (European characters) Chinese (simplified Chinese) Japanese (ANK, Kanji) Korean Taiwanese (traditional Chinese) |
| [Us] rated supply voltage | 24 V DC |
| Supply | External source |
| Supply voltage limits | 19.2...28.8 V |
| Inrush current | <= 30 A |
| Power consumption | 26 W |
| Number of dynamic function keys symb | 14 with LED |
| Number of static function keys | 10 with LED and labels |
| Number of SERVICE keys | 8 |
| Number of alphanumeric keys | 12 |
| Local signalling | 1 LED (green or orange) for normal operation or backlighting faulty |
| Number of pages | Limited by internal memory capacity |

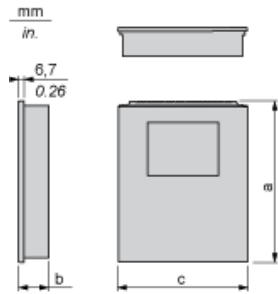
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| Downloadable protocols | FIPWAY Telemecanique Modicon Modbus Plus Telemecanique Modicon Modbus TCP Telemecanique Modicon Modbus Telemecanique Modicon Third party protocols Mitsubishi Melsec Third party protocols Omron Sysmac Third party protocols Rockwell Automation Allen-Bradley Third party protocols Siemens Simatic Uni-TE Telemecanique Modicon |
| Realtime clock | Built-in |
| Memory type | 1 slot for Compact Flash card (128 MB to 1 GB) |
| Integrated slot type | For 1 fieldbus communication card (Device Net, Profibus DP) |
| Port Ethernet | 10BASE-T/100BASE-TX |
| Product mounting | Flush mounting |
| Fixing mode | By 10 spring clips By 4 screw clamps |
| Front material | Aluminium alloy |
| Enclosure material | PPT |
| Marking | CE |
| Width | 220.3 mm |
| Height | 265 mm |
| Depth | 60.3 mm |

Environment

| | |
|---------------------------------------|---|
| Immunity to microbreaks | <= 5 ms |
| Standards | CSA C22-2 No 14 EN 61131-2 FCC Class A IEC 61000-6-2 UL 1604 UL 508 |
| Product certifications | CSA Class 1 Division 2 T4A CSA Class 1 Division 2 T5 C-Tick CULus UL Class 1 Division 2 T4A UL Class 1 Division 2 T5 |
| 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 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 | 1 gn conforming to IEC 60068-2-6 (f = 9...150 Hz) 3.5 mm conforming to IEC 60068-2-6 (f = 5...9 Hz) |
| Resistance to electromagnetic fields | 10 V/m conforming to IEC 61000-4-3 |
| Resistance to fast transients | 2 kV level 3 conforming to IEC 61000-4-4 |

Dimensions

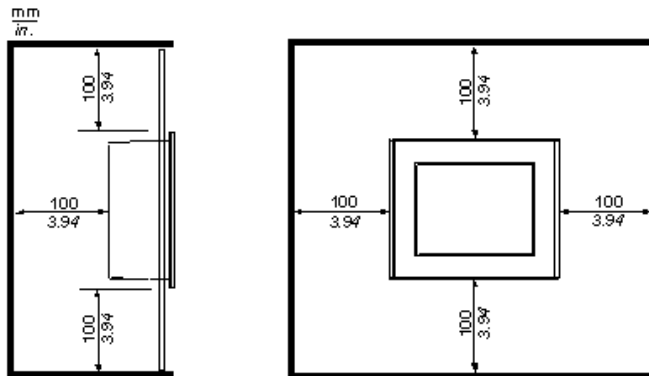


| Product Reference | a | b | c |
|-------------------|------------------|------------------|-------------------|
| XBTGK2120 | 265 mm/10.43 in. | 60.3 mm/2.37 in. | 220.3 mm/8.67 in. |
| XBTGK2330 | | | |
| XBTGK5330 | 332 mm/13.07 in. | 72.7 mm/2.86 in. | 296 mm/11.65 in. |

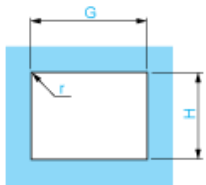
Clearance

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



Dimensions in mm

| Graphic Display Terminal | Cut-out for Flush Mounting | | | |
|--------------------------|----------------------------|---------------|--------|-----------------|
| | H | G | r | Panel Thickness |
| XBTGK2120 XBTGK2330 | 243 (-/+ 0.4) | 209 (-/+ 0.4) | 3 max. | 1.6 ... 10 |
| XBTGK5330 | 309 (-/+ 0.4) | 285 (-/+ 0.4) | 3 max. | 1.6 ... 10 |

Dimensions in in.

| Graphic Display Terminal | Cut-out for Flush Mounting | | | |
|--------------------------|----------------------------|------------------|-----------|-----------------|
| | H | G | r | Panel Thickness |
| XBTGK2120 XBTGK2330 | 9.57 (-/+ 0.02) | 8.23 (-/+ 0.02) | 0.12 max. | 0.06 ... 0.39 |
| XBTGK5330 | 12.17 (-/+ 0.02) | 11.22 (-/+ 0.02) | 0.12 max. | 0.06 ... 0.39 |