# Product data sheet
## Characteristics

# XBTRT500
small panel touchscreen+keypad - matrix screen - green - 198 x 80 pixels - 5VDC

## Main

| | |
|---|---|
| Range of product | Magelis XBTRT |
| Product or component type | Small panel with touchscreen and keypad |
| Display type | Extra-bright matrix backlit LCD |
| Display colour | Green |
| Display resolution | 198 x 80 pixels |
| Messages display capacity | 2 lines of 5 characters minimum<br>10 lines of 33 characters maximum<br>Graphic objects (bargraph, button, light...) |
| [Us] rated supply voltage | 5 V DC |
| Supply | From PLC (terminal port) |
| Software type | Configuration software |
| Software designation | Vijeo Designer Lite |
| Operating system | Windows |
| Downloadable protocols | Modbus<br>Uni-TE<br>Third party protocols |

## Complementary

| | |
|---|---|
| Touch sensitive zone | Matrix, 11 x 5 cells |
| Character font | Chinese (simplified Chinese)<br>Cyrillic<br>Greek<br>Katakana<br>Latin |
| Number of key | 12 |
| Number of fixed keys | 2 |
| Number of customisable keys | 10 |
| Number of pages | 200 application pages<br>256 alarm pages |
| Memory type | Flash |
| Memory capacity | 512 kB |
| Integrated connection type | Serial link female RJ45 asynchronous RS232C/RS485 point to point |
| Realtime clock | Access to the PLC real-time clock |
| Range compatibility | Modicon M340<br>Modicon Premium<br>Modicon TSX Micro<br>Twido |
| Product mounting | Flush mounting |
| Fixing mode | By 4 spring clips 1.5 to 6 mm thick panel |
| Display material | Polyester |
| Front material | PPT |
| Keypad material | Polyester |
| Marking | CE |
| Height | 118 mm |
| Width | 137 mm |
| Depth | 79 mm |
| Cut-out dimensions | 119.6 (+/- 0.5) x 105.2 (+/- 0.4) mm |
| Product weight | 0,55 kg |

## Environment

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|---|---|
| Standards | CSA C22-2 No 14<br>IEC 60068-2-27<br>IEC 60068-2-6<br>IEC 61131-2<br>UL 508 |
| Product certifications | ATEX zone 2/22<br>CSA Class 1 Division 2<br>UL Class 1 Division 2 |
| Ambient air temperature for operation | 0...55 °C |
| Ambient air temperature for storage | -20...60 °C |
| Relative humidity | 0...85 % without condensation |
| IP degree of protection | IP20 rear panel IEC 60529<br>IP65 front panel IEC 60529 |
| NEMA degree of protection | NEMA 4X front panel indoor use |
| Shock resistance | 15 gn 11 ms IEC 60068-2-27 |
| Vibration resistance | 1 gn 8,45...150 Hz IEC 60068-2-6<br>+/- 3.5 mm 2...8,45 Hz IEC 60068-2-6 |
| Resistance to electromagnetic fields | 10 V/m IEC 61000-4-3 |
| RoHS EUR conformity date | 0730 |
| RoHS EUR status | Compliant |

Schneider Electric