

Product data sheet

Specifications



advanced hand-held panel-640 x 480 pixels VGA-5.7"-TFT LCD-24 V DC-w/o E-Stop

XBTGH2460B

- Discontinued on: 31 December 2021
- To be end-of-service on: 31 December 2025

Discontinued - Service only

Main

| | |
|---------------------------------------|---|
| Range of product | Harmony XBTGH |
| Product or component type | Advanced hand-held panel |
| Display type | Backlit colour TFT LCD |
| Display colour | 65536 colours |
| Display resolution | 640 x 480 pixels VGA |
| Display size | 5.7 inch |
| Control type | 1 enable switch 1 key switch |
| Contacts type and composition | 1 NC + 1 NO for key switch 2 NO for enable switch 2 NC + 1 NO |
| Software type | Configuration software |
| Software designation | Vijeo Designer |
| Operating system | Harmony |
| Processor name | CPU RISC |
| Processor frequency | 266 MHz |
| Memory description | 512 kB SRAM back up of data with lithium battery back-up 32 MB flash EPROM application memory |
| Integrated connection type | 1USB type A master port (V1.1) 24-pin Faston connector connector COM1 serial link, compatible with junction box 24-pin Faston connector connector Ethernet TCP/IP, compatible with junction box 24-pin Faston connector connector power supply, compatible with junction box |
| Resistance to electrostatic discharge | 6 kV conforming to IEC 61000-4-2 level 3 |

Complementary

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|----------------------|---|
| Touch sensitive zone | 1024 x 1024 |
| Touch panel | Analogue |
| Backlight lifespan | 50000 hours |
| Brightness | 16 levels via touch panel |
| Character font | Japanese (ANK, Kanji) ASCII (European characters) Korean Chinese (simplified Chinese) Taiwanese (traditional Chinese) |

| | |
|--|---|
| [Us] rated supply voltage | 24 V DC |
| Supply | External source |
| Supply voltage limits | 19.2...28.8 V |
| [Ue] rated operational voltage | 24 V DC for key switch 30 V DC for enable switch |
| Maximum [Ie] rated operational current | 0.3 A for key switch 0.7 A for control handle |
| Inrush current | 60 A |
| Power consumption in W | 16.7 W |
| Number of Operation keys | 1 with LED |
| Number of static function keys | 11 with labels |
| Local signalling | 1 LED (green or orange) for normal operation or backlighting faulty |
| Downloadable protocols | Schneider Electric Modicon Modbus Schneider Electric Modicon Modbus TCP/IP Mitsubishi Melsec third party protocols Omron Sysmac third party protocols Rockwell Automation Allen-Bradley third party protocols Siemens Simatic third party protocols Schneider Electric Modicon Uni-TE |
| Realtime clock | Built-in |
| Data storage equipment | 1 Compact Flash card >= 1 GB |
| Enclosure material | PPT |
| Marking | CE |
| Width | 224 mm |
| Height | 174 mm |
| Depth | 87.1 mm |
| Net weight | 1 kg |

Environment

| | |
|---------------------------------------|--|
| Immunity to microbreaks | 5 ms |
| Standards | IEC 61000-6-2 EN 61131-2 FCC Class A UL 508 |
| Product certifications | C-Tick cULus |
| Ambient air temperature for operation | 0...40 °C |
| Ambient air temperature for storage | -20...60 °C |
| Relative humidity | 0...90 % without condensation |
| Operating altitude | < 2000 m |
| IP degree of protection | IP65 conforming to IEC 60529 |
| 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 conforming to IEC 61000-4-4 level 3 |

Packing Units

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|------------------------|-----|
| Unit Type of Package 1 | PCE |
|------------------------|-----|

| | |
|------------------------------|-----------|
| Number of Units in Package 1 | 1 |
| Package 1 Height | 19.000 cm |
| Package 1 Width | 26.800 cm |
| Package 1 Length | 30.700 cm |
| Package 1 Weight | 1.742 kg |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 2 |
| Package 2 Height | 30.000 cm |
| Package 2 Width | 40.000 cm |
| Package 2 Length | 60.000 cm |
| Package 2 Weight | 4.373 kg |

Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS declaration |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| 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 |

Recommended replacement(s)