Product datasheet

Specifications



advanced touchscreen panel - 320 x 240 pixels QVGA - 3.8" - STN LCD - 24 V DC

XBTGT1100

Discontinued on: 5 Sept 2022

Discontinued

EAN Code: 3595863878103

Main

Range of product	Harmony XBTGT
Product or component type	Advanced touchscreen panel
Display type	Backlit monochrome STN LCD
Display colour	Amber or red 8 levels of grey
Display resolution	320 x 240 pixels QVGA
Display size	3.8 inch
Software type	Configuration software
Software designation	Vijeo Designer
Operating system	Harmony
Processor name	CPU RISC
Processor frequency	100 MHz
Memory description	512 KB SRAM back up of data with lithium battery back-up 8 MB flash EPROM application memory
Integrated connection type	removable screw terminal block connector power supply female MINIDIN 8 connector application downloading RJ45 connector COM1 serial link with RS232C/RS485 interface at <= 115.2 kbits/s
Resistance to electrostatic discharge	6 kV conforming to IEC 61000-4-2 level 3
Cut-out dimensions	118 (+ 1/- 0) x 92.5 (+ 1/- 0) mm

Complementary

Touch sensitive zone	8 x 6 cells
Touch panel	Resistive film
Backlight lifespan	10000 hours with red 50000 hours with amber
Brightness	2 levels via touch panel
Contrast	8 levels via touch panel
Character font	Chinese (simplified Chinese) Korean Taiwanese (traditional Chinese) Japanese (ANK, Kanji) ASCII
[Us] rated supply voltage	24 V DC
Supply	External source
Supply voltage limits	19.2…28.8 V

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

Inrush current	50 A
Power consumption in W	7 W
Number of static function keys	6 with labels
Local signalling	1 LED (green) for normal operation
Number of pages	Limited by internal memory capacity
Downloadable protocols	Telemecanique Modicon Modbus Mitsubishi Melsec third party protocols Omron Sysmac third party protocols Rockwell Automation Allen-Bradley third party protocols Siemens Simatic third party protocols Telemecanique Modicon Uni-TE
Realtime clock	Built-in
Product mounting	Flush mounting
fixing mode	By 2 spring clips By 4 screw clamps
Front material	PPT
Enclosure material	PPT
Marking	CE
Width	130 mm
Height	104 mm
Depth	41 mm
Net weight	0.4 kg

Environment

Immunity to microbreaks	2 ms
Standards	FCC Class A CSA C22.2 No 14 EN 61131-2 UL 1604 UL 508 IEC 61000-6-2
Product certifications	C-Tick UL Class 1 Division 2 T5 CSA Class 1 Division 2 T4A cULus ATEX zone 2/22 UL Class 1 Division 2 T4A CSA Class 1 Division 2 T5
Ambient air temperature for operation	0…50 °C
Ambient air temperature for storage	-20…60 °C
Relative humidity	0…85 % 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 conforming to IEC 61000-4-4 level 3

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

Warranty (in months)	18