Product datasheet

Specifications



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

XBTGT1105

Discontinued on: 31 Dec 2015

End-of-service on: 31 Dec 2019

Discontinued

EAN Code: 3595863957471

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	200 MHz
Memory description	512 KB SRAM back up of data with lithium battery back-up 32 MB flash EPROM application memory
Integrated connection type	removable screw terminal block connector power supply RJ45 connector COM1 serial link with RS232C/RS485 interface at <= 115.2 kbits/s USB type A master port (V1.1), compatible with Modicon M340 terminal port communication
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 panel	Analogue
Backlight lifespan	10000 hours with red 50000 hours with amber
Brightness	16 levels
Contrast	8 levels via touch panel
Character font	Korean Japanese (ANK, Kanji) Chinese (simplified Chinese) Taiwanese (traditional Chinese) 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	60 A
Power consumption in W	13 W
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 4 screw clamps By 2 spring clips
Front material	PPT
Enclosure material	PPT
Marking	CE
Width	130 mm
Height	104 mm
Depth	40 mm
Net weight	0.4 kg

Environment

Immunity to microbreaks	2 ms
Standards	CSA C22.2 No 14 UL 1604 FCC Class A EN 61131-2 UL 508 IEC 61000-6-2
Product certifications	UL Class 1 Division 2 T4A CSA Class 1 Division 2 T5 ATEX zone 2/22 cULus UL Class 1 Division 2 T5 C-Tick CSA Class 1 Division 2 T4A
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

Logistical informations

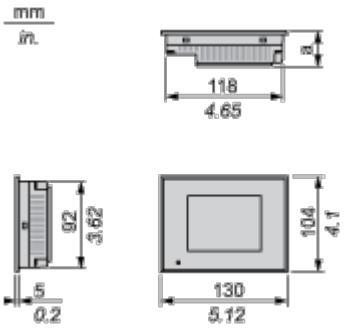
Country of origin	FR

Contractual warranty

Warranty (in months)	18

Dimensions Drawings

Dimensions



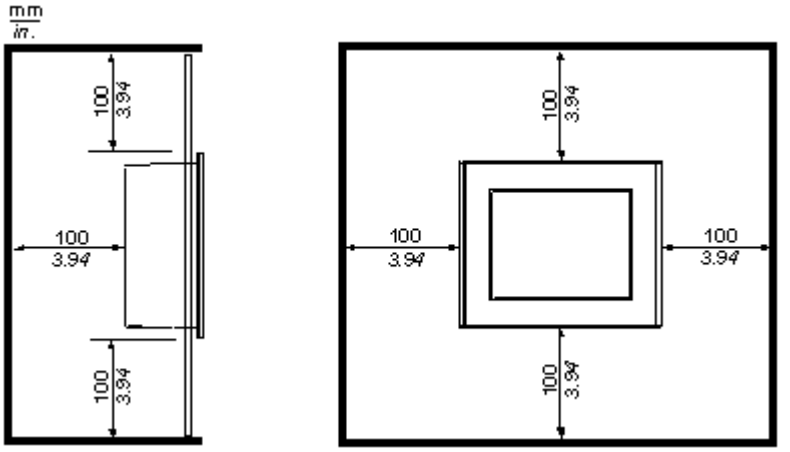
Product Reference	a in mm	a in in.
XBTGT1105 XBTGT1135	41	1.61
XBTGT1335	40	1.57

Mounting and Clearance

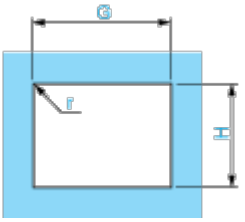
Clearance

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 (-/+ 0.1 mm)	G (-/+ 0.1 mm)	r	Panel Thickness
XBTGT1105 XBTGT1135 XBTGT1335	92.5	118	3 max.	1.6 ... 5
XBTGT2110 XBTGT2120 XBTGT2130 XBTGT2220 XBTGT2330	123.5	156	3 max.	1.6 ... 5
XBTGT4230 XBTGT4330 XBTGT4340	159.5	204.5	3 max.	1.6 ... 10
XBTGT5230 XBTGT6330 XBTGT6340	227.5	301.5	3 max.	1.6 ... 10
XBTGT5330 XBTGT5340	201	259	3 max.	1.6 ... 10
XBTGT7340	282.5	383.5	3 max.	1.6 ... 10

Dimensions in in.

Graphic Display Terminal	Cut-out for Flush Mounting			
	H (-/+0.004 in.)	G (-/+0.004 in.)	r	Panel Thickness
XBTGT1105 XBTGT1135 XBTGT1335	3.64	4.65	0.12 max.	0.06 ... 0.20
XBTGT2110 XBTGT2120 XBTGT2130 XBTGT2220 XBTGT2330	4.86	6.14	0.12 max.	0.06 ... 0.20
XBTGT4230 XBTGT4330 XBTGT4340	6.28	8.05	0.12 max.	0.06 ... 0.39
XBTGT5230 XBTGT6330 XBTGT6340	8.96	11.87	0.12 max.	0.06 ... 0.39

Graphic Display Terminal	Cut-out for Flush Mounting			
	H (-/+0.004 in.)	G (-/+0.004 in.)	r	Panel Thickness
XBTGT5330 XBTGT5340	7.91	10.20	0.12 max.	0.06 ... 0.39
XBTGT7340	11.12	15.10	0.12 max.	0.06 ... 0.39