

Schneider Service Manual

XBTGT1105

1. Description

The Schneider Electric XBTGT1105 is an advanced touch screen panel designed for a variety of industrial applications. This unit boasts a 3.8-inch display featuring a backlit monochrome STN LCD, with an impressive resolution of 320 x 240 pixels, ensuring clarity in operation.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Line MAGELiS
Part	Number XBTGT1105
UPC	785901670650
Weight	0.38 lbs (0.17 kg)
Product	Advanced Touch Screen Panel
Display	Type Backlit monochrome STN LCD
Display	Color Amber or red, 8 levels of grey
Display	Resolution 320 x 240 pixels QVGA
Display	Size 3.8 inches
Processor	Frequency 200 MHz
Memory	Description 512 KB SRAM backup of data with lithium battery backup; 32 MB flash EPROM application memory
Resistance	to Electrostatic Discharge 6 kV
Touch	Panel Analog
Brightness	16 levels
Contrast	8 levels via touch panel
Rated	Supply Voltage 24 V DC
Supply	Voltage Limits 19.2 to 28.8 V
Inrush	Current 60 A
Power	Consumption 13 W

3. Product Information

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Technical specifications for XBTGT1105

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Contrast 8 levels via touch panel

Rated Supply Voltage 24 V DC

Supply Voltage Limits 19.2 to 28.8 V

Inrush Current 60 A

Power Consumption 13 W

Description

Part number XBTGT1105 is an advanced touch screen panel produced by Schneider Electric, suitable for a variety of industrial environments. The display is a backlit monochrome STN LCD, which offers clear symbols in either amber or red tones, set against an 8-level grey scale. The compact size of the display at 3.8 inches provides a resolution of 320 x 240 pixels, known as QVGA.

At the heart of this touch screen panel is a 200 MHz processor, ensuring efficient performance in tasks. Data management is facilitated through 512 KB of SRAM, which is backed up by a lithium battery, ensuring data integrity even in power outages. For application storage, the panel is equipped with 32 MB of flash EPROM.

The resistance to electrostatic discharge is noteworthy, rated at 6 kV, enhancing the reliability of the device in environments where static can be problematic. The touch panel is analog and supports 16 selectable brightness levels, allowing for visibility under varying light conditions. Users can also adjust the contrast across 8 levels via the panel itself.

In terms of power requirements, the panel operates on a rated supply voltage of 24 V DC, with acceptable limits ranging from 19.2 to 28.8 V. An inrush current of 60 A is expected at start-up, and the power consumption of this device is set at 13 W, ensuring efficient operation for various applications.