

Touch Operating Panel ETT 352



The ETT 352 is a touch operating panel with a 3.5" TFT color display. The resistive touch screen serves as the input medium for process data and parameters. To save energy, the display is deactivated in sleep mode. When the screen surface is touched, the terminal is activated and then deactivated a few minutes after the last input.

With the LASAL SCREEN mask editor, graphics can be created on the PC, then stored and displayed on the terminal. Data is exchanged over CAN bus.

Performance Data

SDRAM	8-Mbyte
Flash	1-Mbyte
Interfaces	1x CAN bus (fixed terminal strip)
Terminating resistor	120 Ω settable with DIP-Switch
Data rate	maximum 1 Mbit/s
Display Resolution	3.5" TFT color display 320 x 240 pixels
Control panel	4-wire touch screen (analog resistive)

Electrical Requirements

Supply voltage	typically +24 V DC (+18-30 V DC)
Current consumption	typically 50 mA maximum 100 mA
UL standard	for UL: must be supplied with SELV / PELV and Limited Energy Digital output also is SELV / Limited Energy.

Terminal

Operating unit dimensions	93.3 x 93.3 x 12.1 mm (W x H x D)
Installation measurements with panel mounting	52 x 52 x 30 mm (W x H x D) Corner hole clearance 81.3
Material	plastic
Weight	circa 120 g

Environmental Conditions

Storage temperature	-10 ... +70 °C
Environmental temperature	0 ... +55 °C
Humidity	10-80 %, non-condensing
Operating conditions	Pollution degree 2 indoor use altitude up to 2000 m
EMC product norm	EN 60730-1
EMC stability	in accordance with EN 61000-6-2 (industrial area)
EMC stability	in accordance with EN 61000-6-3 (living area)
Protection type	EN 60529
	mounting in a panel IP30 (no UL-rating)

Display

Type	3.5" LC graphic display
Resolution	320(RGB) x 240
Pixel size	0.219 x 0.219 mm
Number of pixels	320*3 (RGB) x 240 pixels
Active surface	70.08 x 52.56 mm
Color depth	24 bits
Backlighting	6x LED, white, regulatable
Contrast	400:1
Touch	resistive
Brightness	typically 350 cd/m²
Visible field	left and right 70°, below 70°, above 60°

Article Number and Miscellaneous

Article number	01-230-352-1
Standard	UL 61010-2-201
Approbations	UL, cUL, CE