

Touch Operating Panel ETT 764



with 7" TFT color display

The ETT 764 is an intelligent panel for visualizing, operating and monitoring automated processes. Process diagnostics is therewith simplified.

A projective capacitive touch screen serves as the input medium for process data and parameters. The output is shown on a 7" TFT color display.

The available interfaces can be used to exchange process data or configure the multitouch terminal.

Performance Data

Processor	EDGE3 Technology
Processor cores	4
Internal program and data memory (RAM)	2-GByte (DDR4)
Internal remnant data memory	128-kByte FRAM
Internal storage device	8-GByte eMMC
Optional memory expansion	microSD
Graphic	integrated in EDGE processor
Interfaces	2x Ethernet (10/100/1000) 2x USB 2.0 Type A 1x USB 2.0 Type Mini-B OTG 1x microSD card holder (SD 3.0)
Internal interface connections and devices	no
Operating components	no

Signal generator	no
Display Resolution	7" TFT color display WSVGA 1024 x 600 pixels
Operating field	Touch screen (multi-touch, projective capacitive)
Status LEDs	yes (1x red/1x green)
Real-time clock	yes (battery buffered)
Cooling	passive

Electrical Requirements

Supply voltage	+24 V DC ±20 % (SELV/PELV) UL: Class 2 of LVLC	
Protection class	III	
Current consumption of power supply at +24 V	typically 320 mA (with no external devices connected)	maximum 530 mA (with external devices connected)
Inrush current without currentlimiting supply	30 A for max. 20 µs	
Inrush current with 24 V/10 A fixed voltage supply	1 A for max. 30 ms	

Terminal

Dimensions	191 x 128 x 33 mm (W x H x D)
Material	Housing: aluminium/steel chromated Color: black Front: glass 1.1 mm
Weight	0.60 kg

Environmental Conditions

Storage temperature	-10 ... +70 °C	
Environmental temperature	0 ... +60 °C	
Humidity	10-95 %, non-condensing	
Installation altitude above sea level	0-2000 m without derating > 2000 m up to a maximum of 5000 m with derating of the maximum environmental temperature by 0.5 °C per 100 m	
Operating conditions	pollution degree 2	
EMC resistance	in accordance with EN 61000-6-2 (industrial area)	
EMC noise generation	according to EN 61000-6-3 (Household area) according to EN 61000-6-4 (industrial area)	
Vibration resistance	EN 60068-2-6	5-150 Hz: amplitude 3.5 mm transition frequency: 8.42454 Hz acceleration: 1 g duration: 10 cycles cycle: 1 octave/minute
Shock resistance	EN 60068-2-27	15 g (147.15 m/s ²)
Protection type	EN 60529/NEMA 250 protection through housing	Front: IP65/Type4 Cover: IP20/Type1

Display

Type	7" TFT color display
Resolution	WSVGA 1024 x 600 pixels
Color depth	24-Bit RGB
LCD mode	normally black
LCD polarizer	transmissive
Pixel size	0.1506 x 0.1432 mm
Active range	154.08 mm x 85.92 mm
Backlighting	LED
Contrast	typically 800:1
Brightness	typically 400 cd/m ²
Visible field	left, right, top, bottom typically 80°
Touch panel	projective capacitive touch panel
Life span	By compliance with the ambient conditions, the brightness of the display sinks after 20,000 operating hours to 50 % of the original brightness.

Article Number and Miscellaneous

Article number	01-230-764
Operating system	Gecko
Standard	designed according to UL
Approvals	CE, UKCA

Notes

