Control Panel

ETV 0853-3

The control panel is an intelligent terminal for programming and visualization of automated processes. Process diagnosis as well as operating and monitoring automated procedures is simplified using this terminal. A projective capacitive touch screen serves as the input medium for process data and pa-rameters. The output is shown on an 8.4" SVGA TFT color display.

The available interface connections can be used to exchange process data or configure the terminal. A microSD card serves as the storage medium for the operating system, application and application data. The integrated, high-performance VARAN bus can be used to control I/O modules directly.

Performance Data

Processor	EDGE-Technology X86 compatible
Internal cache	32-kbyte L1 Cache 256-kbyte L2 Cache
BIOS	AMI
Internal program and data memory (DDR2 RAM)	256-Mbyte
Internal remnant data memory	512-kbyte
Internal storage device (IDE)	microSD card
Internal I/O	yes
Interface connections	1x USB 2.0, Type A (Full speed 12 Mbit/s) 1x USB 1.1, Type Mini B 1x Ethernet 1x VARAN bus (maximum length: 100 m) 1x CAN bus
Internal interface connections and devices	1 x TFT-LCD color display 1 x projective capacitive touch
Display Resolution	8.4" TFT color display 800 x 600 pixels
Control Panel	Touch screen (projective capacitive)
Data buffer	yes
Signal generator	no
Status LEDs	no
Real-time clock	yes (buffering via battery)
Cooling	passive (fanless)

Electrical Requirements

Supply voltage	typically +24 V DC	
	minimum +18 V DC	maximum +30 V DC
Current consumption of the supply +24 V	typically 350 mA (with no external devices connec-ted)	maximum 400 mA (with external devices connected)
Inrush current	maximum 27 A for 9 µs	

Terminal

Dimensions	220 x 172 x 33.7 mm (W/H/T)
Material	Front plate: 4 mm black anodized aluminum
Weight	typically 1.1 kg

Article Number and Miscellaneous

Article number	12-230-0853-3
Hardware version	1.x
Operating system	Salamander

Environmental Conditions

Storage temperature	-10 ... +85 °C	
Environmental temperature	0 ... +50 °C	
Humidity	10-90 %, uncondensed	
EMC stability	EN 61000-6-2: noise resistance EN 61000-6-4: noise emission	
Vibration tolerance	EN 60068-2-6	2-9 Hz: amplitude 3.5 mm 9-200 Hz: 1 g (10 m/s²)
Shock resistance	EN 60068-2-27	150 m/s²
Protection type	EN 60529 protection through housing	Front: IP65 Cover: IP20