Control Panel
ETV 0855

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 touch screen serves as the input medium for process data and parameters. 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)	64-Mbyte
Internal remnant data memory	512-kbyte
Internal storage device (IDE)	512-Mbyte microSD
Internal I/O	yes
Interface connections	2x 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	1x TFT-LCD color display1x Touch
Display Resolution	8.4" TFT color display 800 x 600 pixels
Control panel	4-wire touch screen (analog resistive)
Data buffer	yes
Signal generator	no
Status leds	yes
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 400 mA (with no external devices connected)	maximum 450 mA (with external devices connected)
Inrush current	maximum 27 A for 9 µs	

Terminal

Dimensions	240 x 200 x 40.5 mm (W x H x D)
Material	front plate: 3.5 mm anodized aluminum
Weight	typically 1.5 kg

Article Number and Misecllaneous

Article number	12-230-0855
Hardware version	1.x

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: IP54 Cover: IP20