

Multi-touch Operating Panel

TAE 2343



The TAE 2343 multi-touch operating panel is used to visualize automated processes. The operation and monitoring of automated procedures are simplified using this display unit.

The projective capacitive touch screen is used to enter process data and parameters. The output is displayed on a 23.8" full HD TFT color display with LED backlighting.

On the PC side, a SIGMATEK HMI-Link G2 is required, which processes the display and USB signal feeds and transmits them to the terminal over a standard Ethernet cable (CAT-5e or CAT-6). A secure connection over distance of up to 100 m between the PC and terminal is therewith possible.

Performance Data

Interfaces	1x HMI Remote IN (HMI-Link G2) 1x USB 2.0 Typ A OUT (left or right) 1x RFID reader HF (13,56 MHz) - multi-Iso protocol-capable
Internal interface connections and devices	1x TFT color display 1x projective capacitive touch screen
Control panel	Touch screen (projective capacitive)
Display	23.8" TFT color display Full HD, 1920 x 1080 Pixels LED Backlight

Electrical Requirements

Supply voltage	typically +24 V DC (+18-30 V DC)	
Supply voltage (UL)	+18-30 V DC Class 2	
Current consumption Power supply +24 V	typically 1.45 A	maximum 2 A
UL standard	for UL: must be supplied with SELV / PELV and Limited Energy Digital output also is SELV / Limited Energy.	

Terminal

Material	front: glass rear panel including covers: Powder coated steel sheet wrap-around aluminum borders
Dimensions	385 x 664.6 x 49.3 mm (W x H x D)
Weight incl. mounting bracket	11.5 kg

Environmental Conditions

Storage temperature	-20 ... +60 °C	
Environmental temperature	0 ... +45 °C	
Humidity	10-90 %, non-condensing	
Operating conditions	pollution degree 2 indoor use altitude up to 2000 m	
EMC resistance	according to EN 61000-6-2 (industrial area)	
EMC noise generation	according to EN 61000-6-4 (industrial area)	
Radio Communication Conformity Europe	according to ETSI EN 300 330 (2014/53/EU, RED Directive)	
Vibration resistance	EN 60068-2-6	2-9 Hz: amplitude 3.5 mm 9-200 Hz: 1 g (10 m/s ²)
Shock resistance	EN 60068-2-27	15 g (150 m/s ²), duration 11 ms, 18 Shocks
Protection type	EN 60529: protected through the housing	front: IP54 (no UL-rating) cover: IP20 (no UL-rating)

Display

Type	23.8" TFT color display	
Resolution	Full HD, 1920 x 1080 pixels	
Color depth	6 Bit + AFRC	
LCD mode	normally black	
LCD Polarizer	transmissive	
Pixel size	0.2745 x 0.2745 mm	
Active surface	527.04 x 296.46 mm	
Backlighting	LED backlight	
Contrast	typically 1000	
Brightness	typically 250 cd/m ²	
Angle CR ≥ 10	left, right, below, above 178°	
Life span	after 30,000 hours at an ambient temperature of 25 °C, the brightness reduces to 50% or less of the original power.	

Control Unit

Touch panel	projective capacitive glass touch panel
Sensor type	Film glass

Article Number and Miscellaneous

Article number	12-200-2343
Touch pen	01-690-059-3
Standard	UL (E247993)
Approvals	CE, cUL _{us}

Notes

