

Handheld Control Panel 8.4"

HBG 0811



The HBG 0811 is a handheld control panel for visualizing processes. Process diagnosis, operating and monitoring functions are therewith simplified.

A touch screen serves as the input medium for process data and parameters.

The output is shown on a 8.4" SVGA TFT color display.

Performance Data

Interfaces	1x HMI-Link 1x USB 2.0 Type A 1x Safety Interface (safety specific)
Internal interface connections and devices	1x TFT color display 1x touch
Control panel	touch screen (analog resistive) emergency stop switch (2 normally closed) confirmation switch (2 normally open, 3-stage) key switch (2 normally open)
Display	8.4" TFT color display 800 x 600 RGB

Electrical Requirements

Supply voltage	typically +24 V DC (PELV)	
	minimum +24 V DC (PELV)	maximum +30 V DC (PELV)
Supply voltage (UL)	+24-30 V DC (NEC Class 2 or LVLC)	
Current consumption Power supply +24 V	typically 310 mA (without externally connected devices)	maximum 450 mA (with externally connected devices)
Inrush current	maximum 8.4 A for 1 ms	
USB current load	maximum 0.5 A	

Terminal

Dimensions	217.4 x 187.7 x 72 mm (W x H x D) (without Emergency Stop switch/key switch)	
Material	housing: PC/ASA	
Weight	typically, circa 0.95 kg without connector cable	

Display

Type	8.4" TFT LCD color display	
Resolution	SVGA 800 x 600 pixels	
Color depth	18-bit RGB (262K colors)	
LCD mode	TN/Normal white	
LCD polarizer	transmissive	
Pixel size	0.213 mm x 0.213 mm	
Backlighting	LED	
Contrast	typically 600 : 1	
Brightness	typically 250 cd/m ²	
Angle CR ≥ 10	left and right 75°, above 70° and below 60°	

Terminal

Connection technology	M16 plug	
	special connector cable minimum bend radius: 147 mm	

Article Number and Miscellaneous

Article number	12-245-0811	
Hardware version	1.x	
Connector cable	optionally available	
Standard	UL 508 (E247993)	

Environmental Conditions

Storage temperature	-10 ... +60 °C	
Environmental temperature	0 ... +45 °C	
Humidity	10-90 %, non-condensing	
Operating conditions	pollution degree 2 altitude up to 2000 m	
EMC stability	EN 61000-6-2, EN 62061: EMC resistance EN 61000-6-4: noise emission	
Shock resistance	EN 60068-2-27	150 m/s ²
Vibration resistance	10 m/s ²	
Protection type	EN 60529	IP54 (with USB cover only)
Free fall (without packaging)	DIN EN 60068-2-31	500 mm