

# Touch panel - TP104AT/782000 S00001 - 2400799

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Touch panel with 26.4 cm/10.4" TFT-display (analog resistive (polyester)), 640 x 480 pixel(s) (VGA), 65536 colors, Arm9™, 200 MHz, 2x USB host 2.0, 1x COM (RS-232/485), 1 x Ethernet (10/100 Mbps), RJ45, Windows CE 5.0 and user software: TSvisRT. (bus system: without)

Similar figure



## Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 097503
GTIN	4055626097503

## Technical data

### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
-------------------------	---

### Dimensions

Outer dimensions: width, height, depth	328 mm x 249 mm x 5 mm (Dimensions of the front plate)
Installation dimensions: width, height, depth	303 mm x 222 mm x 67 mm (Mounting cutout, depth with bus if bus system present in the device)

### Display

Display	26.4 cm/10.4" TFT
Screen resolution	640 x 480 Pixel(s) (VGA)
Touch technology	analog resistive (polyester)
Brightness	360 cd/m <sup>2</sup> typical (adjustable)
Backlighting	LED
Display backlight MTBF	50000 h
Colors	65536 colors
Reading angle left	80 °
Reading angle right	80 °
Reading angle top	65 °

# Touch panel - TP104AT/782000 S00001 - 2400799

## Technical data

### Display

Reading angle bottom	80 °
----------------------	------

### Computer data

Processor	Arm9™, 200 MHz
Operating system	Windows® CE 5.0
User software	TSvisRT
RAM	64 MB SDRAM 512 KB SRAM
Mass storage	NOR-Flash, 32 MB
Network	1 x Ethernet (10/100 Mbps), RJ45
Interfaces	2x USB Host 2.0 1x COM (RS-232/485)
Bus system	without
Optional interfaces	none
Realtime clock	Yes
Service life of battery	5 years (typical)

### General

Material front plate	Aluminum (natural anodized)
Housing material	Steel sheet, zinc-plated
Mounting type	Front installation
Weight	2379 g

### Ambient conditions

Degree of protection	IP65 (front), IP20 (back) NEMA 4X
Ambient temperature (operation)	0 °C ... 50 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	20 % ... 85 %
Vibration (operation)	1g, according to EN 60068-2-6
Shock	15g, according to IEC 60068-2-27

### Device supply

Typical current consumption	0.6 A
Power supply unit	24 V DC ±20 %

### Standards and Regulations

Shock	15g, according to IEC 60068-2-27
Vibration (operation)	1g, according to EN 60068-2-6

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 15;

# Touch panel - TP104AT/782000 S00001 - 2400799

## Technical data

### Environmental Product Compliance

	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"
--	---

## Classifications

### eCl@ss

eCl@ss 10.0.1	27330201
eCl@ss 4.0	27330200
eCl@ss 4.1	27330200
eCl@ss 5.0	27330200
eCl@ss 5.1	27330200
eCl@ss 6.0	27242300
eCl@ss 7.0	27242302
eCl@ss 8.0	27242302
eCl@ss 9.0	27330201

### ETIM

ETIM 4.0	EC001412
ETIM 5.0	EC001412
ETIM 6.0	EC001412
ETIM 7.0	EC001412

### UNSPSC

UNSPSC 13.2	43211904
UNSPSC 18.0	43211904
UNSPSC 19.0	43211904
UNSPSC 20.0	43211904
UNSPSC 21.0	43211904

## Approvals

### Approvals

---

#### Approvals

UL Listed / cUL Listed / cULus Listed

---

#### Ex Approvals

---

### Approval details

# Touch panel - TP104AT/782000 S00001 - 2400799

## Approvals

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 205795
-----------	--	---	---------------

cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 205795
------------	--	---	---------------

cULus Listed			
--------------	--	--	--

## Accessories

### Accessories

#### Battery module

Battery / accumulator - HMI BATTERY - 2701383

Lithium battery



---

## Mounting material

Mounting material - HMI SCB MOUNTING KIT 4 - 2701384



HMI mounting kit for installation on a front plate. The mounting kit includes 4 x mounting brackets, 4 x screw threads, and a hexagonal wrench.

Mounting material - HMI SCB MOUNTING KIT 6 - 2701385



HMI mounting kit for installation on a front plate. The mounting kit includes 6 x mounting brackets, 6 x screw threads, and a hexagonal wrench.

## Touch panel - TP104AT/782000 S00001 - 2400799

### Accessories

#### Mounting material - HMI SCB MOUNTING KIT 8 - 2701387



HMI mounting kit for installation on a front plate. The mounting kit includes 8 x mounting brackets, 8 x screw threads, and a hexagonal wrench.

---

#### Mounting material - HMI WALL MOUNTING KIT - 2701380



HMI mounting kit for panel installation. The mounting kit includes 2 spring clips.

---

### Operating stylus

#### Touch pen - TOUCH PEN - 2701379



Touch pen for analog-resistive HMIs, silver coated. Delivery includes self-adhesive pen holder.

---

### PCB plug

#### Printed-circuit board connector - MSTB 2,5/ 3-STF BD:1-3 - 1896381



PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm<sup>2</sup>, number of positions: 3, pitch: 5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

---

### Storage medium

#### USB memory stick - USB FLASH DRIVE - 2402809



USB memory stick, 8 GB

Phoenix Contact 2020 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>