

## Touch panel - TP 3150S - 2400458

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 38.1 cm/15" TFT-Display (Analog resistive (polyester)), 1024 x 768 Pixel (XGA), 65536 colors, ARM® Cortex®-A8, 800 MHz, 2x USB Host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Windows® Embedded Compact 7 and User software: Visu+ / AX OPC Server. (Bus system: without)

Similar figure

### Why buy this product

- ✓ Easy installation, low installation depth, and compact design
- ✓ Short startup time
- ✓ Visu+ RT and AX OPC server integrated as standard in all devices
- ✓ Easy IP address allocation and active connection monitoring thanks to PROFINET IO Device according to Conformance Class B
- ✓ Display available in sizes from 14.5 cm (5.7") to 39.05 cm (15.4")
- ✓ Versatile communication options, even with third-party systems, thanks to numerous drivers and interfaces
- ✓ Energy efficient due to LED backlighting
- ✓ Acoustic warning from alarms via integrated buzzer (85 dB)

### Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	1.000 g
Custom tariff number	84714100
Country of origin	Germany

### Technical data

#### Note

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

#### Dimensions

External dimension, width	400 mm
External dimension, height	329 mm
External dimension, depth	5 mm
Note regarding external dimension	Dimensions of the front plate
Installation dimension, width	372 mm

# Touch panel - TP 3150S - 2400458

## Technical data

### Dimensions

Installation dimension, height	301 mm
Note regarding installation dimension	Installation cutout
Installation dimension, depth	55 mm

### Display

Display	38.1 cm/15" TFT
Screen resolution	1024 x 768 Pixel(s) (XGA)
Backlighting	LED
Display backlight MTBF	50000 h
Touch technology	Analog resistive (polyester)
Colors	65536 colors

### Computer data

Processor	ARM® Cortex®-A8, 800 MHz
Operating systems	Windows® Embedded Compact 7
User software	Visu+
	AX OPC Server
RAM	512 MB RAM
Mass storage	1 GB Flash
Network	1 x Ethernet (10/100 Mbps), RJ45
Interfaces	2x USB Host 2.0
Bus system	without
Optional interfaces	SD slot
Realtime clock	Yes (battery-backed)
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	3000 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 % (non-condensing)
Permissible humidity (storage/transport)	20 % ... 85 % (non-condensing)

# Touch panel - TP 3150S - 2400458

## Technical data

### Ambient conditions

Vibration (operation)	DIN EN 60068-2-6
Shock	DIN EN 60068-2-27

### Device supply

Supply voltage	24 V DC
Supply voltage range	18 V DC ... 30 V DC
Typical current consumption	typ. 0.6 A
Power consumption	typ. 14.4 W
Power supply unit	24 V DC $\pm$ 20 %

### Standards and Regulations

Shock	DIN EN 60068-2-27
Vibration (operation)	DIN EN 60068-2-6

## Classifications

### eCl@ss

eCl@ss 5.1	27242302
eCl@ss 6.0	27242302
eCl@ss 8.0	27242302
eCl@ss 9.0	27330201

### ETIM

ETIM 4.0	EC001412
ETIM 5.0	EC001412

## Approvals

### Approvals

---

#### Approvals

UL Listed / cUL Listed / cULus Listed

---

#### Ex Approvals

---

### Approval details

# Touch panel - TP 3150S - 2400458

## Approvals

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

cUL Listed <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> 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 - TP 3150S - 2400458

### 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 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.

---

### Operating stylus

Touch pen - TOUCH PEN - 2701379



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

---

### Parameterization memory

Program / configuration memory - SD FLASH 2GB - 2988162



Program and configuration memory

---

### PCB plug

## Touch panel - TP 3150S - 2400458

### Accessories

Printed-circuit board connector - MC 1,5/ 3-STF-3,5 - 1847068



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 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