TP 3070W - Touch panel

2400454

https://www.phoenixcontact.com/us/products/2400454

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Touch panel with 17.8 cm/7" TFT-display (analog resistive (polyester)), 800 x 480 pixel(s) (WVGA), 262144 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)

Your advantages

- Acoustic warning from alarms via integrated buzzer (85 dB)
- Energy efficient due to LED backlighting
- Visu+ RT and AX OPC server integrated as standard in all devices
- Easy IP address allocation and active connection monitoring thanks to PROFINET-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
- Easy installation, low installation depth, and compact design
- Short startup time

Commercial data

Item number	2400454
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR17
Product key	DRCABC
Catalog page	Page 472 (C-6-2019)
GTIN	4055626055961
Weight per piece (including packing)	800 g
Weight per piece (excluding packing)	1,264 g
Customs tariff number	84714100
Country of origin	DE

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Technical data

Product properties

Product type	Operator panel

Computer data

Processor	Arm$^®$ Cortex$^®$-A8, 800 MHz
Operating system	Windows$^®$ Embedded Compact 7
RAM	512 MB RAM
Data storage system	Flash, 1 GB
Slots	1x SD

Display

Display type	17.8 cm/7" TFT
Screen resolution	800 x 480 Pixel(s) (WVGA)
Touch technology	analog resistive (polyester)
Display lighting type	LED
Brightness	350 cd/m², typical (adjustable)
MTBF	40000 h
Color spectrum	262144 colors
Reading angle left	70 °
Reading angle right	70 °
Reading angle top	65 °
Reading angle bottom	65 °

Software

User software	Visu+
	AX OPC Server

System requirements

Runtime system	Visu+ Runtime

Interfaces

Interfaces	2x USB Host 2.0
Network	1 x Ethernet (10/100 Mbps), RJ45
Bus system	without

System properties

User software	Visu+
	AX OPC Server

System requirements

Runtime system	Visu+ Runtime

Electrical properties

Service life of battery	5 years (typical)

Supply	
Supply voltage	24 V DC
Supply voltage range	18 V DC ... 30 V DC
Power supply unit	24 V DC ±20 %
Typical current consumption	0.4 A

Real-time clock	
Realtime clock	Yes (battery-backed)

Supply	
Power consumption	typ. 9.6 W

Mounting

Mounting type	Front mounting

Material specifications

Material front plate	Aluminum (natural anodized)
Housing material	Steel sheet, zinc-plated

Environmental and real-life conditions

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

Dimensions

External dimensions	
Width / Height / Depth	203 mm / 147 mm / 5 mm (Dimensions of the front plate)

Installation dimensions	
Width / Height / Installation depth	195 mm / 139 mm / 42 mm (Installation cutout)

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2400454

UL Listed
Approval ID: FILE E 205795

cUL Listed
Approval ID: FILE E 205795

cUL Listed
Approval ID: FILE E 324359

UL Listed
Approval ID: FILE E 324359

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Classifications

ECLASS

ECLASS-11.0	27330201

ETIM

ETIM 8.0	EC001412

UNSPSC

UNSPSC 21.0	43211900

Environmental product compliance

REACh SVHC	Lead 7439-92-1

China RoHS	Environmentally Friendly Use Period = 15;
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Accessories

TOUCH PEN - Touch pen

2701379

https://www.phoenixcontact.com/us/products/2701379

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

USB FLASH DRIVE - USB memory stick

2402809

https://www.phoenixcontact.com/us/products/2402809

USB memory stick, 8 GB

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SD FLASH 2GB - Program / configuration memory

2988162

https://www.phoenixcontact.com/us/products/2988162

Program and configuration memory, for extending the internal flash memory, pluggable, 2 GB.

HMI BATTERY - Battery/accumulator

2701383

https://www.phoenixcontact.com/us/products/2701383

Lithium battery

HMI SCB MOUNTING KIT 4 - Mounting material

2701384

https://www.phoenixcontact.com/us/products/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.

HMI SCB MOUNTING KIT 6 - Mounting material

2701385

https://www.phoenixcontact.com/us/products/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.

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HMI SCB MOUNTING KIT 8 - Mounting material

2701387
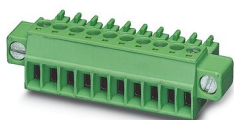
https://www.phoenixcontact.com/us/products/2701387

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.

MC 1,5/ 3-STF-3,5 BD:1-3 - PCB connector

1751312

https://www.phoenixcontact.com/us/products/1751312

PCB connector, nominal cross section: 1.5 mm^2, color: green, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Socket, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: MC 1,5/..-STF, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, plug-in system: COMBICON MC 1,5, locking: Screw locking mechanism, mounting: Screw flange, type of packaging: packed in cardboard