

TP 3057Q - Touch panel



2400452

<https://www.phoenixcontact.com/be/products/2400452>

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Touch panel with 14.5 cm / 5.7"-TFT display (analog resistive (polyester)), 320 x 240 pixel(s) (QVGA), 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)

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	2400452
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DRCABC
Product key	DRCABC
Catalog page	Page 472 (C-6-2019)
GTIN	4055626055992
Weight per piece (including packing)	1.250 g
Weight per piece (excluding packing)	1.286 g
Customs tariff number	84714100
Country of origin	DE

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Technical data

Product properties

Product type	Operator panel
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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	14.5 cm / 5.7"-TFT
Screen resolution	320 x 240 Pixel(s) (QVGA)
Touch technology	analog resistive (polyester)
Display lighting type	LED
Brightness	400 cd/m², typical (adjustable)
MTBF	40000 h
Color spectrum	65536 colors
Reading angle left	75.00 °
Reading angle right	75.00 °
Reading angle top	60.00 °
Reading angle bottom	75.00 °

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
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Electrical properties

Service life of battery	5 years (typical)
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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	0.3 A

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Real-time clock

Realtime clock	Yes (battery-backed)
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Supply

Power consumption	typ. 7.2 W
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Mounting

Mounting type	Front mounting
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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)
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Installation dimensions

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

ECLASS

ECLASS-11.0	27330201
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ETIM

ETIM 8.0	EC001412
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UNSPSC

UNSPSC 21.0	43211900
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I, 6(b), 6(b)-II, 6(c), 7(a), 7(c)-I
China RoHS	
Environment friendly use period (EFUP)	EFUP-15
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)

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Accessories

TOUCH PEN - Touch pen

2701379

<https://www.phoenixcontact.com/be/products/2701379>



Touch pen for analog-resistive HMI's, silver coated. Delivery includes self-adhesive pen holder.

USB FLASH DRIVE - USB memory stick

2402809

<https://www.phoenixcontact.com/be/products/2402809>



USB memory stick, 8 GB

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SD FLASH 2GB - Program/configuration memory

2988162

<https://www.phoenixcontact.com/be/products/2988162>



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

HMI BATTERY - Battery/accumulator

2701383

<https://www.phoenixcontact.com/be/products/2701383>

Lithium battery



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HMI SCB MOUNTING KIT 4 - Mounting material

2701384

<https://www.phoenixcontact.com/be/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/be/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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MC 1,5/ 3-STF-3,5 BD:1-3 - PCB connector

1751312

<https://www.phoenixcontact.com/be/products/1751312>



PCB connector, nominal cross section: 1.5 mm², color: green, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Sn, 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

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