

# TP 3057V - Touch panel



2400453

<https://www.phoenixcontact.com/pc/products/2400453>

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Touch panel with 14.5 cm/5.7" TFT active display (analog resistive (polyester)), 640 x 480 pixel(s) (VGA), 262144 colors, Arm<sup>®</sup> Cortex<sup>®</sup>-A8, 800 MHz, 2x USB host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Windows<sup>®</sup> 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	2400453
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRCABC
Catalog page	Page 472 (C-6-2019)
GTIN	4055626055978
Weight per piece (including packing)	779.2 g
Weight per piece (excluding packing)	700 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 active
Screen resolution	640 x 480 Pixel(s) (VGA)
Touch technology	analog resistive (polyester)
Display lighting type	LED
Brightness	400 cd/m², typical (adjustable)
MTBF	40000 h
Color spectrum	262144 colors
Reading angle left	65.00 °
Reading angle right	65.00 °
Reading angle top	55.00 °
Reading angle bottom	52.00 °

### Software

User software	Visu+ AX OPC Server
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### System requirements

Runtime system	Visu+ Runtime
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### 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
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### 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 $\pm$ 20 %
Typical current consumption	0.3 A

## 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	168 mm / 126 mm / 5 mm (Dimensions of the front plate)
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### Installation dimensions

Width / Height / Installation depth	160 mm / 118 mm / 42 mm (Installation cutout)
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