

# TP 3057Q - Touch panel



2400452

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

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Touch panel, 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, Visu+ / AX OPC Server, without bus system.

## 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          |
| Sales key                            | DR17          |
| Product key                          | DRCABC        |
| 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 |
|--------------|----------------|

### 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/m <sup>2</sup> , 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 bus system               |

### System properties

|               |                        |
|---------------|------------------------|
| User software | Visu+<br>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 | 0.3 A               |

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## Real-time clock

|                |                      |
|----------------|----------------------|
| Realtime clock | Yes (battery-backed) |
|----------------|----------------------|

## Supply

|                   |            |
|-------------------|------------|
| Power consumption | typ. 7.2 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)<br>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) |
|-------------------------------------|---|

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## Classifications

### 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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