

# TP057STV/100130003 S00069 - Touch panel



2400686

<https://www.phoenixcontact.com/us/products/2400686>

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Touch panel, 14.5 cm / 5.7"-TFT display (analog resistive (polyester)), 640 x 480 pixel(s) (VGA), 262144 colors, Arm® Cortex®-A8, 800 MHz, 2x USB Host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Windows® Embedded Compact 7, Open platform, without bus system.

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2400686       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | DRCABA        |
| GTIN                                 | 4055626110134 |
| Weight per piece (including packing) | 700 g         |
| Weight per piece (excluding packing) | 700 g         |
| Country of origin                    | DE            |

## Technical data

### Notes

#### Utilization restriction

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

### Product properties

|              |                |
|--------------|----------------|
| Product type | Operator panel |
|--------------|----------------|

#### Computer data

|                     |                             |
|---------------------|-----------------------------|
| Processor           | Arm® Cortex®-A8, 800 MHz    |
| Operating system    | Windows® Embedded Compact 7 |
| RAM                 | 512 MB LPDDR SDRAM          |
| Data storage system | NAND-Flash, 256 MB          |
| Slots               | 1x SD                       |

#### Display

|                       |  |
|-----------------------|--|
| Display type          | 14.5 cm / 5.7"-TFT                           |
| Screen resolution     | 640 x 480 Pixel(s) (VGA)                     |
| Touch technology      | analog resistive (polyester)                 |
| Display lighting type | LED  |
| Brightness            | 400 cd/m <sup>2</sup> , 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 °                                      |

### Interfaces

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

### System properties

|               |               |
|---------------|---------------|
| User software | Open platform |
|---------------|---------------|

### Electrical properties

|                         |                   |
|-------------------------|-------------------|
| Service life of battery | 5 years (typical) |
|-------------------------|-------------------|

#### Supply

|                             |               |
|-----------------------------|---------------|
| Power supply unit           | 24 V DC ±20 % |
| Typical current consumption | 0.3 A         |

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## Real-time clock

|                |     |
|----------------|-----|
| Realtime clock | Yes |
|----------------|-----|

## 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                     |
| Altitude                                | 3000 m                               |
| Permissible humidity (operation)        | 20 % ... 85 %                        |
| Shock                                   | 15g, according to IEC 60068-2-27     |
| Vibration (operation)                   | 1g, according to EN 60068-2-6        |

## Dimensions

### External dimensions

|                        |  |
|------------------------|--|
| Width / Height / Depth | 168 mm / 126 mm / 5 mm (Dimensions of the front plate) |
|------------------------|--|

### Installation dimensions

|                                     |   |
|-------------------------------------|---|
| Width / Height / Installation depth | 160 mm / 118 mm / 42 mm (Mounting cutout, depth with bus if bus system present in the device) |
|-------------------------------------|---|

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## Classifications

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 43211904 |
|-------------|----------|

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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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