

2400999  
<https://www.phoenixcontact.com/us/products/2400999>

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Touch panel, 39.12 cm / 15.4"-TFT display (analog resistive (polyester)), 1280 x 800 pixel(s) (WXGA), 16.7 million colors, Arm® Cortex®-A8, 800 MHz, 2x USB Host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Windows® Embedded Compact 7, Movicon™, without bus system.

Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2400999       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | DRCABC        |
| GTIN                                 | 4055626109879 |
| Weight per piece (including packing) | 1,900 g       |
| Weight per piece (excluding packing) | 1,900 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          | 39.12 cm / 15.4"-TFT           |
| Screen resolution     | 1280 x 800 Pixel(s) (WXGA)     |
| Touch technology      | analog resistive (polyester)   |
| Display lighting type | LED                            |
| Brightness            | 360 cd/m² typical (adjustable) |
| MTBF                  | 50000 h                        |
| Color spectrum        | 16.7 million colors            |
| Reading angle left    | 70.00 °                        |
| Reading angle right   | 70.00 °                        |
| Reading angle top     | 80.00 °                        |
| Reading angle bottom  | 80.00 °                        |

### Interfaces

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

### System properties

|               |          |
|---------------|----------|
| User software | Movicon™ |
|---------------|----------|

### Electrical properties

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

#### Supply

|                             |               |
|-----------------------------|---------------|
| Power supply unit           | 24 V DC ±20 % |
| Typical current consumption | 0.9 A         |

# TP154STM/100130003 S00068 - Touch panel



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## Real-time clock

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

## Supply

|                   |             |
|-------------------|-------------|
| Power consumption | typ. 21.6 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)<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 | 420 mm / 297 mm / 5 mm (Dimensions of the front plate) |
|------------------------|--------------------------------------------------------|

### Installation dimensions

|                                     |                                         |
|-------------------------------------|-----------------------------------------|
| Width / Height / Installation depth | 396 mm / 273 mm / (Installation cutout) |
| Installation depth                  | 59 mm,                                  |

Environmental product compliance

|                                        |                                                                                                                                                                                                                                                                 |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| China RoHS                             |                                                                                                                                                                                                                                                                 |
| Environment friendly use period (EFUP) | <div>EFUP-15</div> <div>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.</div> |
| EU REACH SVHC                          |                                                                                                                                                                                                                                                                 |
| REACH candidate substance (CAS No.)    | No substance above 0.1 wt%                                                                                                                                                                                                                                      |

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