

## Touch panel - TP 3156W/P - 2403462

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Touch panel with 39.6 cm/15.6" TFT-display (Projective-capacitive (PCAP)), 1366 x 768 pixel(s) (WXGA), 65536 colors, Arm® Cortex®-A8, 1000 MHz, 2x USB host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Windows® Embedded Compact 7 and user software: Visu+. (bus system: without)

Similar figure

### Your advantages

- ✓ Robust and sturdy, thanks to glass front suitable for industrial use
- ✓ Fast response and display refresh, thanks to powerful processor
- ✓ Flexible connection to third-party systems by means of various drivers
- ✓ Integrated Visu+ visualization software
- ✓ Mobile system access with the Visu+ mobile app



### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 055626 363561 |
| GTIN         | 4055626363561                                                                                           |

### Technical data

#### Note

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

#### Dimensions

|                                               |                                                        |
|-----------------------------------------------|--------------------------------------------------------|
| Outer dimensions: width, height, depth        | 436 mm x 278 mm x 6 mm (Dimensions of the front plate) |
| Installation dimensions: width, height, depth | 425 mm x 260 mm x 53 mm (Installation cutout)          |

#### Display

|                   |                                |
|-------------------|--------------------------------|
| Display           | 39.6 cm/15.6" TFT              |
| Screen resolution | 1366 x 768 Pixel(s) (WXGA)     |
| Touch technology  | Projective-capacitive (PCAP)   |
| Brightness        | 320 cd/m² typical (adjustable) |

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## Technical data

### Display

|                        |              |
|------------------------|--------------|
| Backlighting           | LED          |
| Display backlight MTBF | 70000 h      |
| Colors                 | 65536 colors |
| Reading angle left     | 80 °         |
| Reading angle right    | 80 °         |
| Reading angle top      | 80 °         |
| Reading angle bottom   | 80 °         |

### Computer data

|                         |                                  |
|-------------------------|----------------------------------|
| Processor               | Arm® Cortex®-A8, 1000 MHz        |
| Operating system        | Windows® Embedded Compact 7      |
| User software           | Visu+                            |
| RAM                     | 512 MB LPDDR RAM                 |
| Mass storage            | NAND-Flash, 1 GB                 |
| Network                 | 1 x Ethernet (10/100 Mbps), RJ45 |
| Interfaces              | 2x USB Host 2.0                  |
| Bus system              | without                          |
| Slots                   | 1x SD                            |
| Realtime clock          | Yes (battery-backed)             |
| Service life of battery | 5 years (typical)                |

### General

|                      |                             |
|----------------------|-----------------------------|
| Material front plate | Aluminum (natural anodized) |
| Housing material     | Steel sheet, zinc-plated    |
| Mounting type        | Front installation          |
| Weight               | 4000 g                      |

### 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) |
| Vibration (operation)                    | DIN EN 60068-2-6               |
| Shock                                    | DIN EN 60068-2-27              |

### Device supply

|                             |                     |
|-----------------------------|---------------------|
| Supply voltage              | 24 V DC             |
| Supply voltage range        | 18 V DC ... 30 V DC |
| Typical current consumption | 1 A                 |
| Power consumption           | typ. 24 W           |
| Power supply unit           | 24 V DC ±20 %       |

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## Technical data

### Standards and Regulations

|                       |                   |
|-----------------------|-------------------|
| Shock                 | DIN EN 60068-2-27 |
| Vibration (operation) | DIN EN 60068-2-6  |

### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 15;                                                           |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Classifications

### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27330201 |
| eCl@ss 4.0    | 27330200 |
| eCl@ss 4.1    | 27330200 |
| eCl@ss 5.0    | 27330200 |
| eCl@ss 5.1    | 27330200 |
| eCl@ss 6.0    | 27242300 |
| eCl@ss 7.0    | 27242302 |
| eCl@ss 8.0    | 27242302 |
| eCl@ss 9.0    | 27330201 |

### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC001412 |
| ETIM 5.0 | EC001412 |
| ETIM 6.0 | EC001412 |
| ETIM 7.0 | EC001412 |

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 13.2 | 43211904 |
| UNSPSC 18.0 | 43211904 |
| UNSPSC 19.0 | 43211904 |
| UNSPSC 20.0 | 43211904 |
| UNSPSC 21.0 | 43211904 |

## Approvals

### Approvals

#### Approvals

UL Listed / cUL Listed / cULus Listed

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### Approvals

Ex Approvals

UL Listed / cUL Listed / cULus Listed

#### Approval details

UL Listed



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

FILE E 205795

cUL Listed



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

FILE E 205795

cULus Listed



### Accessories

Accessories

Battery module

Battery / accumulator - HMI BATTERY - 2701383

Lithium battery



### Mounting material

Mounting material - HMI SCB MOUNTING KIT 4 - 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.

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### Accessories

#### Mounting material - HMI SCB MOUNTING KIT 6 - 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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#### Mounting material - HMI SCB MOUNTING KIT 8 - 2701387



HMI mounting kit for installation on a front plate. The mounting kit includes 8 x mounting brackets, 8 x screw threads, and a hexagonal wrench.

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#### Mounting material - HMI WALL MOUNTING KIT - 2701380



HMI mounting kit for panel installation. The mounting kit includes 2 spring clips.

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### Parameterization memory

#### Program / configuration memory - SD FLASH 2GB - 2988162



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

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### PCB plug

#### Printed-circuit board connector - MC 1,5/ 3-STF-3,5 BD:1-3 - 1751312



PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm<sup>2</sup>, number of positions: 3, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

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### Storage medium

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### Accessories

USB memory stick - USB FLASH DRIVE - 2402809



USB memory stick, 8 GB

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