

## Touch panel - TP 3070W/WT - 2403465

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Rugged-Touch panel with 17.8 cm/7" TFT-display (Analog resistive (GFG)), 800 x 480 pixel(s) (WVGA), 16.7 million 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

- ✓ Display can be read in sunlight
- ✓ Can be operated when wearing work gloves
- ✓ Resistant to UV and IR radiation
- ✓ Resistant to environmental influences, such as salt spray, termites, and chemicals
- ✓ Weatherproof thanks to IP67 protection



### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 055626 382302 |
| GTIN         | 4055626382302                                                                                           |

### Technical data

#### Note

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

#### Dimensions

|                                               |                                                                                               |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------|
| Outer dimensions: width, height, depth        | 234 mm x 174 mm x 5 mm (Dimensions of the front plate)                                        |
| Installation dimensions: width, height, depth | 200 mm x 140 mm x 48 mm (Mounting cutout, depth with bus if bus system present in the device) |

#### Display

|                         |                           |
|-------------------------|---------------------------|
| Display type            | 17.8 cm/7" TFT            |
| Screen resolution       | 800 x 480 Pixel(s) (WVGA) |
| Touch technology        | Analog resistive (GFG)    |
| Readability in sunlight | yes                       |

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## Technical data

### Display

|                        |                                              |
|------------------------|----------------------------------------------|
| Brightness             | 400 cd/m <sup>2</sup> , typical (adjustable) |
| Backlighting           | LED                                          |
| Display backlight MTBF | 50000 h                                      |
| Colors                 | 16.7 million colors                          |
| Reading angle left     | 70 °                                         |
| Reading angle right    | 70 °                                         |
| Reading angle top      | 60 °                                         |
| Reading angle bottom   | 60 °                                         |

### Computer data

|                         |                                                    |
|-------------------------|----------------------------------------------------|
| Processor               | Arm <sup>®</sup> Cortex <sup>®</sup> -A8, 1000 MHz |
| Operating system        | Windows <sup>®</sup> Embedded Compact 7            |
| User software           | Visu+                                              |
| RAM                     | 512 MB LPDDR SDRAM                                 |
|                         | 1 MB SRAM                                          |
| 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                                                |
| Service life of battery | 5 years (typical)                                  |

### General

|                      |                                     |
|----------------------|-------------------------------------|
| Extras               | Integrated acoustic signal (buzzer) |
| Material front plate | Aluminum (natural anodized)         |
| Housing material     | Steel sheet, zinc-plated            |
| Mounting type        | Bolt fixing                         |
| Weight               | 1100 g                              |

### Ambient conditions

|                                         |                                  |
|-----------------------------------------|----------------------------------|
| Degree of protection                    | IP67 (front), IP20 (back)        |
|                                         | NEMA 4X                          |
| Ambient temperature (operation)         | -32 °C ... 70 °C                 |
| Ambient temperature (storage/transport) | -40 °C ... 80 °C                 |
| Permissible humidity (operation)        | 5 % ... 95 % (Front)             |
|                                         | 20 % ... 85 % (On the rear)      |
| Vibration (operation)                   | 1g, according to EN 60068-2-6    |
| Shock                                   | 15g, according to IEC 60068-2-27 |

### Device supply

|                             |               |
|-----------------------------|---------------|
| Typical current consumption | 0.4 A         |
| Power supply unit           | 24 V DC ±20 % |

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## Technical data

### Standards and Regulations

|                       |                                  |
|-----------------------|----------------------------------|
| Shock                 | 15g, according to IEC 60068-2-27 |
| Vibration (operation) | 1g, according to 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



### Operating stylus

Touch pen - TOUCH PEN - 2701379



Touch pen for analog-resistive HMIs, silver coated. Delivery includes self-adhesive pen holder.

PCB plug

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### Accessories

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

USB memory stick - USB FLASH DRIVE - 2402809



USB memory stick, 8 GB

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