

## Touch panel - TPG070SGW/200630023 S00069 - 2401280

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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, 1x COM (RS-232), 1x COM (RS-232/485), 1 x Ethernet (10/100 Mbps), RJ45, Windows® Embedded Compact 7 and user software: Open platform. (bus system: DualCAN)

Similar figure



### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 055626 109770 |
| GTIN         | 4055626109770                                                                                           |

### Technical data

#### Dimensions

|                                               |                                                                                               |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------|
| Outer dimensions: width, height, depth        | 234 mm x 174 mm x 5 mm (Dimensions of the front plate)                                        |
| Installation dimensions: width, height, depth | 202 mm x 140 mm x 77 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)                       |
| 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

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## Technical data

### Computer data

|                         |                                  |
|-------------------------|----------------------------------|
| Processor               | Arm® Cortex®-A8, 1000 MHz        |
| Operating system        | Windows® Embedded Compact 7      |
| User software           | Open platform                    |
| RAM                     | 512 MB LPDDR SDRAM               |
| Mass storage            | NAND-Flash, 256 MB               |
| Network                 | 1 x Ethernet (10/100 Mbps), RJ45 |
| Interfaces              | 2x USB Host 2.0                  |
|                         | 1x COM (RS-232)                  |
|                         | 1x COM (RS-232/485)              |
| Bus system              | DualCAN                          |
| Slots                   | 1x SD                            |
| Realtime clock          | Yes                              |
| Service life of battery | 5 years (typical)                |

### General

|                      |                             |
|----------------------|-----------------------------|
| 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 | 0.5 A         |
| Power supply unit           | 24 V DC ±20 % |

### 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" |

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### 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 |

### 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.

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### Accessories

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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

USB memory stick - USB FLASH DRIVE - 2402809



USB memory stick, 8 GB

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

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