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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## Touch panel - TP 3057Q - 2400452

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Touch panel with 14.5 cm/5.7" TFT active-Display (Analog resistive (polyester)), 320 x 240 Pixel (QVGA), 65536 colors, ARM® Cortex®-A8, 800 MHz, 2x USB host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Windows® Embedded Compact 7 and User software: Visu+ / AX OPC Server. (Bus system: without)

### Why buy this product

- ✓ Easy installation, low installation depth, and compact design
- ✓ Short startup time
- ✓ Visu+ RT and AX OPC server integrated as standard in all devices
- ✓ Easy IP address allocation and active connection monitoring thanks to PROFINET IO Device according to Conformance Class B
- ✓ Display available in sizes from 14.5 cm (5.7") to 39.05 cm (15.4")
- ✓ Versatile communication options, even with third-party systems, thanks to numerous drivers and interfaces
- ✓ Energy efficient due to LED backlighting
- ✓ Acoustic warning from alarms via integrated buzzer (85 dB)

### Key Commercial Data

|                      |          |
|----------------------|----------|
| Packing unit         | 1 STK    |
| Custom tariff number | 84714100 |
| Country of origin    | Germany  |

### Technical data

#### Dimensions

|                                       |                               |
|---------------------------------------|-------------------------------|
| External dimension, width             | 203 mm                        |
| External dimension, height            | 147 mm                        |
| External dimension, depth             | 5 mm                          |
| Note regarding external dimension     | Dimensions of the front plate |
| Installation dimension, width         | 195 mm                        |
| Installation dimension, height        | 139 mm                        |
| Note regarding installation dimension | Installation cutout           |
| Installation dimension, depth         | 42 mm                         |

#### Display

|         |                         |
|---------|-------------------------|
| Display | 14.5 cm/5.7" TFT active |
|---------|-------------------------|

# Touch panel - TP 3057Q - 2400452

## Technical data

### Display

|                        |                              |
|------------------------|------------------------------|
| Screen resolution      | 320 x 240 Pixel(s) (QVGA)    |
| Backlighting           | LED                          |
| Display backlight MTBF | 40000 h                      |
| Touch technology       | Analog resistive (polyester) |
| Colors                 | 65536 colors                 |

### Computer data

|                         |                                  |
|-------------------------|----------------------------------|
| Processor               | ARM® Cortex®-A8, 800 MHz         |
| Operating systems       | Windows® Embedded Compact 7      |
| User software           | Visu+                            |
|                         | AX OPC Server                    |
| RAM                     | 512 MB RAM                       |
| Mass storage            | 1 GB Flash                       |
| Network                 | 1 x Ethernet (10/100 Mbps), RJ45 |
| Interfaces              | 2x USB host 2.0                  |
| Bus system              | without                          |
| Optional interfaces     | SD slot                          |
| 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               | 1000 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 |

# Touch panel - TP 3057Q - 2400452

## Technical data

### Device supply

|                             |               |
|-----------------------------|---------------|
| Typical current consumption | typ. 0.3 A    |
| Power consumption           | typ. 7.2 W    |
| Power supply unit           | 24 V DC ±20 % |

### Standards and Regulations

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

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27242302 |
| eCl@ss 6.0 | 27242302 |
| eCl@ss 8.0 | 27242302 |
| eCl@ss 9.0 | 27330201 |

### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC001412 |
| ETIM 5.0 | EC001412 |

## Approvals

### Approvals

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#### Approvals

UL Listed / cUL Listed / cULus Listed

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#### Ex Approvals

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### Approval details

|   |
|---|
| UL Listed <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> FILE E 205795 |
|---|

|  |
|--|
| cUL Listed <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> FILE E 205795 |
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# Touch panel - TP 3057Q - 2400452

## Approvals



## 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.

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.

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.

## Touch panel - TP 3057Q - 2400452

### Accessories

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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### Operating stylus

Touch pen - TOUCH PEN - 2701379



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

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### Parameterization memory

Program / configuration memory - SD FLASH 2GB - 2988162



Program and configuration memory

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### PCB plug

Printed-circuit board connector - MC 1,5/ 3-STF-3,5 - 1847068



Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, 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

## Touch panel - TP 3057Q - 2400452

### Accessories

USB memory stick - USB FLASH DRIVE - 2402809



USB memory stick, 8 GB