

Touch panel - WP 3057V - 2400251

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Touch panel with 14.5 cm/5.7" TFT active-Display (Resistive industrial touch screen), 640 x 480 Pixel (VGA), 262144 colors, ARM® Cortex®-A8, 800 MHz, 2x USB Host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Debian GNU/Linux and User software: Midori Browser. (Bus system: without)

Why buy this product

- For operational purposes only - the browser is the only interaction interface
- Flexible, thanks to open web standard and free choice of web server and visualization software
- No security updates are required for JAVA or Flash plug-ins thanks to HTML5
- HTML5-compatible browser integrated as standard in all devices
- Visualization of self-programmed JavaScript applications possible
- Display available in sizes from 14.5 cm (5.7") to 39.05 cm (15.4")
- Energy efficient due to LED backlighting
- Secure communication, thanks to SSL-encrypted data transmission

Key Commercial Data

| | |
|--------------------------------------|-----------|
| Packing unit | 1 STK |
| Weight per Piece (excluding packing) | 820.000 g |
| Custom tariff number | 84714100 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|---------------------------------------|-------------------------------|
| External dimension, width | 168 mm |
| External dimension, height | 126 mm |
| External dimension, depth | 5 mm |
| Note regarding external dimension | Dimensions of the front plate |
| Installation dimension, width | 160 mm |
| Installation dimension, height | 118 mm |
| Note regarding installation dimension | Installation cutout |
| Installation dimension, depth | 42 mm |

Display

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Technical data

Display

| | |
|------------------------|-----------------------------------|
| Display | 14.5 cm/5.7" TFT active |
| Screen resolution | 640 x 480 Pixel(s) (VGA) |
| Backlighting | LED |
| Display backlight MTBF | 40000 h |
| Touch technology | Resistive industrial touch screen |
| Colors | 262144 colors |

Computer data

| | |
|-------------------------|----------------------------------|
| Processor | ARM® Cortex®-A8, 800 MHz |
| Operating systems | Debian GNU/Linux |
| User software | Midori Browser |
| RAM | 512 MB RAM |
| Mass storage | 256 MB NAND-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 | 800 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 |

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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

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

| |
|---|
| UL Listed http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 205795 |
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| |
|--|
| cUL Listed http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 205795 |
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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.

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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.

Operating stylus

Touch pen - TOUCH PEN - 2701379



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

Parameterization memory

Program / configuration memory - SD FLASH 2GB - 2988162



Program and configuration memory

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

Storage medium

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Accessories


USB memory stick - USB FLASH DRIVE - 2402809



USB memory stick, 8 GB

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