

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

Touch panel - WP 3057V - 2400251

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

Touch panel - WP 3057V - 2400251

Technical data

Device supply

Typical current consumption	typ. 0.3 A
Power consumption	typ. 7.2 W
Power supply unit	24 V DC $\pm 20\%$

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

cUL Listed http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 205795
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Touch panel - WP 3057V - 2400251

Approvals

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.

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 - WP 3057V - 2400251

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

Touch panel - WP 3057V - 2400251

Accessories

USB memory stick - USB FLASH DRIVE - 2402809



USB memory stick, 8 GB