PHŒNIX CONTACT

Touch panel - WP 3057V - 2400251

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Touch panel with 14.5 cm/5.7" TFT active-display (analog resistive (polyester)), 640 x 480 Pixel(s) (VGA), 262144 colors, ARM® Cortex®-A8, 1000 MHz, 2x USB host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Debian GNU/Linux and user software: Firefox 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

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 055626 065175
GTIN	4055626065175

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
Installation dimension, depth	42 mm
Note regarding installation dimension	Installation cutout

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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	analog resistive (polyester)
Colors	262144 colors

Computer data

Processor	ARM® Cortex®-A8, 1000 MHz
Operating systems	Debian GNU/Linux
User software	Firefox Browser
RAM	512 MB RAM
	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 (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
Typical current consumption	typ. 0.3 A
Power consumption	typ. 7.2 W
Power supply unit	24 V DC ±20 %

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Technical data

Standards and Regulations

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

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 15;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

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			

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