PHŒNIX CONTACT

Touch panel - WP 4070-WVRS - 1148694

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Touch panel with 17.8 cm/7" TFT-display (analog resistive (polyester)), 800 x 480 pixel(s) (WVGA), 262144 colors, Arm® Cortex®-A53, 4x 1.2 GHz, 2x USB host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Yocto/Linux and user software: Chromium Browser. (bus system: without)

Similar figure

Your advantages

☑ Easy startup – just enter the IP and URL

☑ 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

☑ Ideal for use with PLCnext Engineer or CODESYS

☑ Embedded Linux operating system

☑ Visualization of self-programmed JavaScript applications possible

☑ Secure communication, thanks to SSL-encrypted data transmission

RoHS

COMPLETE line

Key Commercial Data

Packing unit	1 pc
GTIN	4 063151 142414
GTIN	4063151142414
Weight per Piece (excluding packing)	750.000 g
Custom tariff number	84714100
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area

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Technical data

Dimensions

Outer dimensions: width, height, depth	203 mm x 147 mm x 5 mm (Dimensions of the front plate)
Installation dimensions: width, height, depth	195 mm x 139 mm x 43 mm (Installation cutout)

Display

Display type	17.8 cm/7" TFT
Screen resolution	800 x 480 Pixel(s) (WVGA)
Touch technology	analog resistive (polyester)
Brightness	350 cd/m², typical (adjustable)
Backlighting	LED
Display backlight MTBF	40000 h
Colors	262144 colors
Reading angle left	70 °
Reading angle right	70 °
Reading angle top	65 °
Reading angle bottom	65 °

Computer data

Processor	Arm® Cortex®-A53, 4x 1.2 GHz
Operating system	Yocto/Linux
User software	Chromium Browser
RAM	1 GB LPDDR3
Mass storage	Flash eMMC, 8 GB
Network	1 x Ethernet (10/100 Mbps), RJ45
Interfaces	2x USB Host 2.0
Bus system	without
Optional interfaces	Without optional interface
Slots	1x microSD
Realtime clock	Integrated (battery backup)

General

Material front plate	Aluminum (natural anodized)
Housing material	Steel sheet, zinc-plated
Mounting type	Front installation
Weight (GRP)	750 g

Ambient conditions

Degree of protection	IP65 (front), IP20 (back)
Ambient temperature (operation)	0 °C ... 50 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C

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Technical data

Ambient conditions

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 ... 30 V
Typical current consumption	0.4 A
Power supply unit	24 V DC ±20 %

Standards and Regulations

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

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1

Classifications

eCl@ss

eCl@ss 10.0.1	27330201
eCl@ss 11.0	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

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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 238705 |

| cUL Listed | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 238705 |

| cULus Listed | | | |

Accessories

Accessories

Mounting material

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.

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Accessories

Mounting material - HMI WALL MOUNTING KIT - 2701380

HMI mounting kit for panel installation. The mounting kit includes 2 spring clips.

PCB plug

Printed-circuit board connector - MC 1,5/ 3-STF-3,5 BD:1-3 - 1751312

PCB connector, nominal cross section: 1.5 mm², color: green, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, type of contact: Female connector, Number of potentials: 3, Number of rows: 1, Number of positions per row: 3, number of connections: 3, product range: MC 1,5/..-STF, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, conductor/PCB connection direction: 0 °, Stecksystem: MINI COMBICON, Locking: Screw locking, type of packaging: packed in cardboard

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Storage medium

USB memory stick - USB FLASH DRIVE - 2402809

USB memory stick, 8 GB

Memory - MICROSDHC-16GB - 1154696

Industrial grade 16 GB MicroSDHC 3DTLC

Memory - MICROSDHC-32GB - 1154699

Industrial grade 32 GB MicroSDHC 3DTLC

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Accessories