PHŒNIX CONTACT

Touch panel - WP 4156-WHPS - 1148691

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)

Touch panel with 39.6 cm/15.6" TFT-display (Projective-capacitive (PCAP)), 1366 x 768 pixel(s) (HD), 16.7 million 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	
GTIN	4063151142353
Weight per Piece (excluding packing)	4,000.000 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

Touch panel - WP 4156-WHPS - 1148691

Technical data

Dimensions

Outer dimensions: width, height, depth	436 mm x 278 mm x 6 mm (Dimensions of the front plate)
Installation dimensions: width, height, depth	425 mm x 260 mm x 53 mm (Installation cutout)

Display

Display type	39.6 cm/15.6" TFT
Screen resolution	1366 x 768 Pixel(s) (HD)
Touch technology	Projective-capacitive (PCAP)
Brightness	320 cd/m² typical (adjustable)
Backlighting	LED
Display backlight MTBF	70000 h
Colors	16.7 million colors
Reading angle left	80 °
Reading angle right	80 °
Reading angle top	80 °
Reading angle bottom	80 °

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)	4000 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

Touch panel - WP 4156-WHPS - 1148691

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	1 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 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

Approvals

Approvals

PHŒNIX
CONTACT

Touch panel - WP 4156-WHPS - 1148691

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.

Mounting material - HMI WALL MOUNTING KIT - 2701380

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

PHŒNIX CONTACT

Touch panel - WP 4156-WHPS - 1148691

Accessories

PCB plug

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

PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 3, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

---

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