

TP 3185W/P - Touch panel



2403862

<https://www.phoenixcontact.com/pc/products/2403862>

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Touch panel with 47.0 cm / 18.5" TFT-display (projective-capacitive (PCAP)), 1366 x 768 pixel(s) (WXGA), 65536 colors, Arm[®] Cortex[®]-A8, 1000 MHz, 2x USB host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Windows[®] Embedded Compact 7 and user software: Visu+. (bus system: without)

Your advantages

- Mobile system access with the Visu+ mobile app
- Robust and sturdy, thanks to glass front suitable for industrial use
- Fast response and display refresh, thanks to powerful processor
- Flexible connection to third-party systems by means of various drivers
- Integrated Visu+ visualization software

Commercial data

Item number	2403862
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRCADC
Catalog page	Page 473 (C-6-2019)
GTIN	4055626363578
Weight per piece (including packing)	6,600 g
Weight per piece (excluding packing)	6,000 g
Customs tariff number	84714100
Country of origin	DE

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Technical data

Product properties

Product type	Operator panel
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Computer data

Processor	Arm® Cortex®-A8, 1000 MHz
Operating system	Windows® Embedded Compact 7
RAM	512 MB LPDDR RAM
Data storage system	NAND-Flash, 1 GB
Slots	1x SD

Display

Display type	47.0 cm / 18.5" TFT
Screen resolution	1366 x 768 Pixel(s) (WXGA)
Touch technology	projective-capacitive (PCAP)
Display lighting type	LED
Brightness	240 cd/m², typical (adjustable)
MTBF	50000 h
Color spectrum	65536 colors
Reading angle left	85 °
Reading angle right	85 °
Reading angle top	80 °
Reading angle bottom	80 °

Software

User software	Visu+
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System requirements

Runtime system	Visu+ Runtime
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Interfaces

Interfaces	2x USB Host 2.0
Network	1 x Ethernet (10/100 Mbps), RJ45
Bus system	without

System properties

User software	Visu+
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System requirements

Runtime system	Visu+ Runtime
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Electrical properties

Service life of battery	5 years (typical)
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Supply

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Supply voltage	24 V DC
Supply voltage range	18 V DC ... 30 V DC
Power supply unit	24 V DC \pm 20 %
Typical current consumption	1.2 A

Real-time clock

Realtime clock	Yes (battery-backed)
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Supply

Power consumption	typ. 28.8 W
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Mounting

Mounting type	Front mounting
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Material specifications

Material front plate	Aluminum (natural anodized)
Housing material	Steel sheet, zinc-plated

Environmental and real-life conditions

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

Dimensions

External dimensions

Width / Height / Depth	485 mm / 329 mm / 8 mm (Dimensions of the front plate)
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Installation dimensions

Width / Height / Installation depth	475 mm / 311 mm / 53 mm (Installation cutout)
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Approvals

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UL Listed

Approval ID: FILE E 205795



cUL Listed

Approval ID: FILE E 205795

cULus Listed

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Classifications

ECLASS

ECLASS-11.0

27330201

ETIM

ETIM 8.0

EC001412

UNSPSC

UNSPSC 21.0

43211900

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Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 15;
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Accessories

USB FLASH DRIVE - USB memory stick

2402809

<https://www.phoenixcontact.com/pc/products/2402809>



USB memory stick, 8 GB

SD FLASH 2GB - Program / configuration memory

2988162

<https://www.phoenixcontact.com/pc/products/2988162>



Program and configuration memory, for extending the internal flash memory, pluggable, 2 GB.

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HMI BATTERY - Battery/accumulator

2701383

<https://www.phoenixcontact.com/pc/products/2701383>

Lithium battery



HMI SCB MOUNTING KIT 6 - Mounting material

2701385

<https://www.phoenixcontact.com/pc/products/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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HMI WALL MOUNTING KIT - Mounting material

2701380

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



MC 1,5/ 3-STF-3,5 BD:1-3 - PCB connector

1751312

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PCB connector, nominal cross section: 1.5 mm², color: green, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Socket, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: MC 1,5/...-STF, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, plug-in system: COMBICON MC 1,5, locking: Screw locking mechanism, mounting: Screw flange, type of packaging: packed in cardboard

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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com