

TP21AS/732000 S00001 - Touch panel



2401025

<https://www.phoenixcontact.com/pc/products/2401025>

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Touch panel with 14.5 cm / 5.7"-TFT display (analog resistive (polyester)), 320 x 240 pixel(s) (QVGA), 65536 colors, Arm9™, 200 MHz, 2x USB Host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Windows® CE 5.0 and user software: TSvisRT. (bus system: MPI)

Commercial data

Item number	2401025
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRCABB
GTIN	4055626096995
Weight per piece (including packing)	680 g
Weight per piece (excluding packing)	680 g
Customs tariff number	84714100
Country of origin	DE

Technical data

Product properties

Product type	Operator panel
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Computer data

Processor	Arm9™, 200 MHz
Operating system	Windows® CE 5.0
RAM	64 MB SDRAM
	512 KB SRAM
Data storage system	NOR-Flash, 32 MB

Display

Display type	14.5 cm / 5.7"-TFT
Screen resolution	320 x 240 Pixel(s) (QVGA)
Touch technology	analog resistive (polyester)
Display lighting type	LED
Brightness	400 cd/m², typical (adjustable)
MTBF	40000 h
Color spectrum	65536 colors
Reading angle left	75.00 °
Reading angle right	75.00 °
Reading angle top	60.00 °
Reading angle bottom	75.00 °

Interfaces

Interfaces	2x USB Host 2.0
Optional interfaces	none
Network	1 x Ethernet (10/100 Mbps), RJ45
Bus system	MPI

System properties

User software	TSvisRT
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Electrical properties

Service life of battery	5 years (typical)
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Supply

Power supply unit	24 V DC +/- 20 %
Typical current consumption	0.4 A

Real-time clock

Realtime clock	Yes
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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
Altitude	3000 m
Permissible humidity (operation)	20 % ... 85 %
Shock	15g, according to IEC 60068-2-27
Vibration (operation)	1g, according to EN 60068-2-6

Dimensions

External dimensions

Width / Height / Depth	203 mm / 147 mm / 5 mm (Dimensions of the front plate)
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Installation dimensions

Width / Height / Installation depth	195 mm / 139 mm / 66 mm (Mounting cutout, depth with bus if bus system present in the device)
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Classifications

ECLASS

ECLASS-11.0	27330201
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UNSPSC

UNSPSC 21.0	43211904
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I, 6(b), 6(b)-II, 6(c), 7(a), 7(c)-I
China RoHS	
Environment friendly use period (EFUP)	EFUP-15
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)

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Accessories

TOUCH PEN - Touch pen

2701379

<https://www.phoenixcontact.com/pc/products/2701379>



Touch pen for analog-resistive HMI, silver coated. Delivery includes self-adhesive pen holder.

USB FLASH DRIVE - USB memory stick

2402809

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



USB memory stick, 8 GB

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HMI SCB MOUNTING KIT 4 - Mounting material

2701384

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

HMI SCB MOUNTING KIT 6 - Mounting material

2701385

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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 SCB MOUNTING KIT 8 - Mounting material

2701387

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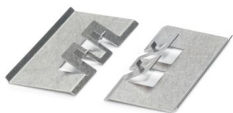


HMI mounting kit for installation on a front plate. The mounting kit includes 8 x mounting brackets, 8 x screw threads, and a hexagonal wrench.

HMI WALL MOUNTING KIT - Mounting material

2701380

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

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HMI BATTERY - Battery/accumulator

2701383

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Lithium battery



MSTB 2,5/ 3-STF BD:1-3 - PCB connector

1896381

<https://www.phoenixcontact.com/pc/products/1896381>



PCB connector, nominal cross section: 2.5 mm², color: green, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Socket, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: MSTB 2,5/...-STF, pitch: 5 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, locking clip: - without locking clip, plug-in system: COMBICON MSTB 2,5, locking: Screw locking mechanism, mounting: Screw flange, type of packaging: packed in cardboard

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