

# TP21AM/742000 S00001 - Touch panel



2401017

<https://www.phoenixcontact.com/us/products/2401017>

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Touch panel with 14.5 cm/5.7" FSTN display (analog resistive (polyester)), 320 x 240 pixel(s) (QVGA), 5 grayscales, 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: CAN)

## Commercial data

Item number	2401017
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR17
Product key	DRCABB
GTIN	4055626097053
Weight per piece (including packing)	680 g
Weight per piece (excluding packing)	680 g
Customs tariff number	84714100
Country of origin	DE

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## Technical data

### Notes

#### Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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### 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" FSTN
Screen resolution	320 x 240 Pixel(s) (QVGA)
Touch technology	analog resistive (polyester)
Display lighting type	LED
Brightness	120 cd/m² typical (adjustable)
MTBF	40000 h
Color spectrum	5 grayscales
Reading angle left	40.00 °
Reading angle right	40.00 °
Reading angle top	45.00 °
Reading angle bottom	45.00 °

### Interfaces

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

### 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	0.25 A

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## 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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