

TP21AS/702000 S00001 - Touch panel



2401023

<https://www.phoenixcontact.com/us/products/2401023>

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Touch panel, 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, TSvisRT, without bus system.

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2401023 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | DRCABB |
| GTIN | 4055626097015 |
| Weight per piece (including packing) | 680 g |
| Weight per piece (excluding packing) | 680 g |
| Country of origin | DE |

Technical data

Product properties

| | |
|--------------|----------------|
| Product type | Operator panel |
|--------------|----------------|

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/m ² , 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 | without bus system |

System properties

| | |
|---------------|---------|
| User software | TSvisRT |
|---------------|---------|

Electrical properties

| | |
|-------------------------|-------------------|
| Service life of battery | 5 years (typical) |
|-------------------------|-------------------|

Supply

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

Real-time clock

| | |
|----------------|-----|
| Realtime clock | Yes |
|----------------|-----|

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) |
|------------------------|--|

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

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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