

TP090ATW/107320000 S00001 - Touch panel



2400765

<https://www.phoenixcontact.com/us/products/2400765>

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 documentation. Our general terms of use for downloads are valid.



Touch panel, 22.9 cm / 9"-TFT display (analog resistive (polyester)), 800 x 480 pixel(s) (WVGA), 65536 colors, Arm9™, 200 MHz, 2x USB Host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Windows® CE 5.0, TSvisRT, MPI.

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2400765 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | DRCABB |
| GTIN | 4055626097664 |
| Weight per piece (including packing) | 1,300 g |
| Weight per piece (excluding packing) | 1,300 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 | 22.9 cm / 9"-TFT |
| Screen resolution | 800 x 480 Pixel(s) (WVGA) |
| Touch technology | analog resistive (polyester) |
| Display lighting type | LED |
| Brightness | 640 cd/m ² typical (adjustable) |
| MTBF | 70000 h |
| Color spectrum | 65536 colors |
| Reading angle left | 85.00 ° |
| Reading angle right | 85.00 ° |
| Reading angle top | 85.00 ° |
| Reading angle bottom | 85.00 ° |

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 |
|---------------|---------|

Electrical properties

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

Supply

| | |
|-----------------------------|---------------|
| Power supply unit | 24 V DC ±20 % |
| Typical current consumption | 0.7 A |

Real-time clock

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

Mounting

| | |
|---------------|----------------|
| Mounting type | Front mounting |
|---------------|----------------|

2400765

<https://www.phoenixcontact.com/us/products/2400765>

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 | 260 mm / 172 mm / 5 mm (Dimensions of the front plate) |
|------------------------|--|

Installation dimensions

| | |
|-------------------------------------|---|
| Width / Height / Installation depth | 252 mm / 164 mm / 66 mm (Mounting cutout, depth with bus if bus system present in the device) |
|-------------------------------------|---|

TP090ATW/107320000 S00001 - Touch panel



2400765

<https://www.phoenixcontact.com/us/products/2400765>

Classifications

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 43211904 |
|-------------|----------|

2400765

<https://www.phoenixcontact.com/us/products/2400765>

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

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com