

TP121STM/100630003 S00068 - Touch panel



2400890

<https://www.phoenixcontact.com/us/products/2400890>

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Touch panel, 30.7 cm / 12.1"-TFT display (analog resistive (polyester)), 1280 x 800 pixel(s) (WXGA), 65536 colors, Arm® Cortex®-A8, 800 MHz, 2x USB Host 2.0, 1x COM (RS-232), 1x COM (RS-422/485), 1 x Ethernet (10/100 Mbps), RJ45, Windows® Embedded Compact 7, Movicon™, DualCAN.

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2400890 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | DRCABC |
| GTIN | 4055626109893 |
| Weight per piece (including packing) | 1,700 g |
| Weight per piece (excluding packing) | 1,700 g |
| Country of origin | DE |

Technical data

Notes

Utilization restriction

| | |
|----------|---|
| EMC note | EMC: class A product, see manufacturer's declaration in the download area |
|----------|---|

Product properties

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

Computer data

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|---------------------|-----------------------------|
| Processor | Arm® Cortex®-A8, 800 MHz |
| Operating system | Windows® Embedded Compact 7 |
| RAM | 512 MB LPDDR SDRAM |
| Data storage system | NAND-Flash, 256 MB |
| Slots | 1x SD |

Display

| | |
|-----------------------|--|
| Display type | 30.7 cm / 12.1"-TFT |
| Screen resolution | 1280 x 800 Pixel(s) (WXGA) |
| Touch technology | analog resistive (polyester) |
| Display lighting type | LED |
| Brightness | 320 cd/m ² typical (adjustable) |
| MTBF | 50000 h |
| Color spectrum | 65536 colors |
| Reading angle left | 88.00 ° |
| Reading angle right | 88.00 ° |
| Reading angle top | 88.00 ° |
| Reading angle bottom | 88.00 ° |

Interfaces

| | |
|------------|----------------------------------|
| Interfaces | 2x USB Host 2.0 |
| | 1x COM (RS-232) |
| | 1x COM (RS-422/485) |
| Network | 1 x Ethernet (10/100 Mbps), RJ45 |
| Bus system | DualCAN |

System properties

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|---------------|----------|
| User software | Movicon™ |
|---------------|----------|

Electrical properties

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

Supply

| | |
|-------------------|---------------|
| Power supply unit | 24 V DC ±20 % |
|-------------------|---------------|

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| | |
|-----------------------------|-------|
| Typical current consumption | 0.8 A |
|-----------------------------|-------|

Real-time clock

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

Mounting

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

Material specifications

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|----------------------|-----------------------------|
| 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 | 330 mm / 225 mm / 5 mm (Dimensions of the front plate) |
|------------------------|--|

Installation dimensions

| | |
|-------------------------------------|---|
| Width / Height / Installation depth | 322 mm / 217 mm / 48 mm (Mounting cutout, depth with bus if bus system present in the device) |
|-------------------------------------|---|

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Environmental product compliance

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. |
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EU REACH SVHC

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|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
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