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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

2400890

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

## 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	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/m² 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

User software	Movicon™
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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 %
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# TP121STM/100630003 S00068 - Touch panel

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Typical current consumption	0.8 A
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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	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)

## 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.

### EU REACH SVHC

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