

TP121STM/100630003 S00068 - Touch panel



2400890

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

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, 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

TP121STM/100630003 S00068 - Touch panel



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
----------	---------------------------------------------------------------------------

Product properties

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

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™
---------------	----------

Electrical properties

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

Supply

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

TP121STM/100630003 S00068 - Touch panel



2400890

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

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

Real-time clock

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

Mounting

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

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%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - 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