TPG121SGS/200110021 S00068 - Touch panel

2401636

https://www.phoenixcontact.com/us/products/2401636

Rugged-Touch panel, 30.7 cm / 12.1"-TFT display (Analog resistive (GFG)), 800 x 600 pixel(s) (SVGA), 16.7 million colors, Arm® Cortex®-A8, 1000 MHz, 2x USB 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Windows® Embedded Compact 7, Movicon™, without bus system.

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Commercial data

Item number	2401636
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRCACC
GTIN	4055626322933
Weight per piece (including packing)	2.75 g
Weight per piece (excluding packing)	2.75 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
Application	Rugged

Computer data

Processor	Arm® Cortex®-A8, 1000 MHz
Operating system	Windows® Embedded Compact 7
RAM	512 MB LPDDR SDRAM
	1 MB SRAM
Data storage system	NAND-Flash, 1 GB
Slots	1x SD
Optional keys	without
Extras	Integrated acoustic signal (buzzer)

Display

Display type	30.7 cm / 12.1"-TFT
Screen resolution	800 x 600 Pixel(s) (SVGA)
Touch technology	Analog resistive (GFG)
Display lighting type	LED
Brightness	360 cd/m² typical (adjustable)
MTBF	50000 h
Color spectrum	16.7 million colors
Reading angle left	80.00 °
Reading angle right	80.00 °
Reading angle top	65.00 °
Reading angle bottom	75.00 °

Interfaces

Interfaces	2x USB 2.0
Network	1 x Ethernet (10/100 Mbps), RJ45
Bus system	without bus system

System properties

User software	Movicon™

Electrical properties

Service life of battery	5 years (typical)

Supply

Power supply unit	24 V DC ±20 %
Max. current consumption	0.5 A

Real-time clock

Realtime clock	Yes

Mounting

Mounting type	Bolt fixing

Material specifications

Material front plate	Aluminum (natural anodized)
Housing material	Steel sheet, zinc-plated

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67 (front), IP20 (back)
	NEMA 4X
Ambient temperature (operation)	-30 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	3000 m
Permissible humidity (operation)	5 % ... 95 % (Front)
	20 % ... 85 % (On the rear)
Shock	15g, according to IEC 60068-2-27
Vibration (operation)	1g, according to EN 60068-2-6

Dimensions

External dimensions

Width / Height / Depth	359 mm / 280 mm / 5 mm (Dimensions of the front plate)

Installation dimensions

Width / Height / Installation depth	323 mm / 244 mm / 58 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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