

Touch panel - TP 3121S/WT-65 SER - 1051756

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Rugged-Touch panel with 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, 1x COM (RS-232), 1x COM (RS-422/485), 1 x Ethernet (10/100 Mbps), RJ45, Windows® Embedded Compact 7 and user software: Visu+. (bus system: without)

Similar figure

Why buy this product

- ☒ Display can be read in sunlight
- ☒ Can be operated when wearing work gloves
- ☒ Resistant to UV and IR radiation
- ☒ Resistant to environmental influences, such as salt spray, termites, and chemicals
- ☒ Weatherproof thanks to IP67 protection



Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 673462
GTIN	4055626673462
Weight per Piece (excluding packing)	3,560.000 g
Custom tariff number	84714100
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

External dimension, width	340 mm
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Technical data

Dimensions

External dimension, height	270 mm
External dimension, depth	5 mm
Note regarding external dimension	Dimensions of the front plate
Installation dimension, width	315 mm
Installation dimension, height	244 mm
Installation dimension, depth	54 mm
Note regarding installation dimension	Mounting cutout, depth with bus if bus system present in the device

Display

Display	30.7 cm / 12.1" TFT
Screen resolution	800 x 600 Pixel(s) (SVGA)
Backlighting	LED
Display backlight MTBF	50000 h
Touch technology	Analog resistive (GFG)
Colors	16.7 million colors

Computer data

Processor	ARM® Cortex®-A8, 1000 MHz
Operating systems	Windows® Embedded Compact 7
User software	Visu+
RAM	512 MB LPDDR RAM
	1 MB SRAM
Mass storage	NAND-Flash, 1 GB
Network	1 x Ethernet (10/100 Mbps), RJ45
Interfaces	2x USB 2.0
	1x COM (RS-232)
	1x COM (RS-422/485)
Bus system	without
Slots	SD card
Realtime clock	Yes
Service life of battery	5 years (typical)

General

Extras	Integrated acoustic signal (buzzer)
Material front plate	Aluminum (natural anodized)
Housing material	Steel sheet, zinc-plated
Mounting type	Front installation
Weight	3000 g

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Technical data

Ambient conditions

Degree of protection	IP65 (front), IP20 (back)
Ambient temperature (operation)	-20 °C ... 70 °C
Ambient temperature (storage/transport)	-30 °C ... 80 °C
Permissible humidity (operation)	5 % ... 95 % (Front)
	20 % ... 85 % (On the rear)
Vibration (operation)	1g, according to EN 60068-2-6
Shock	15g, according to IEC 60068-2-27

Device supply

Power supply unit	24 V DC $\pm$ 20 %
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Standards and Regulations

Shock	15g, according to IEC 60068-2-27
Vibration (operation)	1g, according to EN 60068-2-6

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 15;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 4.0	27330203
eCl@ss 4.1	27330203
eCl@ss 5.0	27330202
eCl@ss 7.0	27242302
eCl@ss 8.0	27242302
eCl@ss 9.0	27330201

ETIM

ETIM 4.0	EC001412
ETIM 5.0	EC001412
ETIM 6.0	EC001412

Accessories

Accessories

Battery module

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Accessories

Battery / accumulator - HMI BATTERY - 2701383

Lithium battery



Mounting material

Mounting material - HMI SCB MOUNTING KIT 4 - 2701384



HMI mounting kit for installation on a front plate. The mounting kit includes 4 x mounting brackets, 4 x screw threads, and a hexagonal wrench.

Mounting material - HMI SCB MOUNTING KIT 6 - 2701385



HMI mounting kit for installation on a front plate. The mounting kit includes 6 x mounting brackets, 6 x screw threads, and a hexagonal wrench.

Mounting material - HMI SCB MOUNTING KIT 8 - 2701387



HMI mounting kit for installation on a front plate. The mounting kit includes 8 x mounting brackets, 8 x screw threads, and a hexagonal wrench.

Operating stylus

Touch pen - TOUCH PEN - 2701379



Touch pen for HMIs, silver coated. Delivery includes self-adhesive pen holder.

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Accessories

PCB plug

Printed-circuit board connector - MC 1,5/ 3-STF-3,5 BD:1-3 - 1751312



PCB connector, nominal current: 8 A, number of positions: 3, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

Storage medium

USB memory stick - USB FLASH DRIVE - 2402809



USB memory stick, 8 GB