

Touch panel - TP 3120W - 2400457

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Touch panel with 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, 1 x Ethernet (10/100 Mbps), RJ45, Windows® Embedded Compact 7 and user software: Visu+ / AX OPC Server. (bus system: without)

Your advantages

- ✓ Easy installation, low installation depth, and compact design
- ✓ Short startup time
- ✓ Visu+ RT and AX OPC server integrated as standard in all devices
- ✓ Easy IP address allocation and active connection monitoring thanks to PROFINET-Device according to Conformance Class B
- ✓ Display available in sizes from 14.5 cm (5.7") to 39.05 cm (15.4")
- ✓ Versatile communication options, even with third-party systems, thanks to numerous drivers and interfaces
- ✓ Energy efficient due to LED backlighting
- ✓ Acoustic warning from alarms via integrated buzzer (85 dB)



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 055930
GTIN	4055626055930

Technical data

Note

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

Outer dimensions: width, height, depth	330 mm x 225 mm x 5 mm (Dimensions of the front plate)
Installation dimensions: width, height, depth	322 mm x 217 mm x 48 mm (Installation cutout)
Installation depth	53 mm (With bus interface)

Display

Display type	30.7 cm/12.1" TFT
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Touch panel - TP 3120W - 2400457

Technical data

Display

Screen resolution	1280 x 800 Pixel(s) (WXGA)
Touch technology	analog resistive (polyester)
Brightness	320 cd/m ² typical (adjustable)
Backlighting	LED
Display backlight MTBF	50000 h
Colors	65536 colors
Reading angle left	88 °
Reading angle right	88 °
Reading angle top	88 °
Reading angle bottom	88 °

Computer data

Processor	Arm [®] Cortex [®] -A8, 800 MHz
Operating system	Windows [®] Embedded Compact 7
User software	Visu+
	AX OPC Server
RAM	512 MB RAM
Mass storage	Flash, 1 GB
Network	1 x Ethernet (10/100 Mbps), RJ45
Interfaces	2x USB Host 2.0
Bus system	without
Slots	1x SD
Realtime clock	Yes (battery-backed)
Service life of battery	5 years (typical)

General

Material front plate	Aluminum (natural anodized)
Housing material	Steel sheet, zinc-plated
Mounting type	Front installation
Weight	2200 g

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
Permissible humidity (operation)	20 % ... 85 % (non-condensing)
Permissible humidity (storage/transport)	20 % ... 85 % (non-condensing)
Vibration (operation)	DIN EN 60068-2-6
Shock	DIN EN 60068-2-27

Device supply

Supply voltage	24 V DC
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Touch panel - TP 3120W - 2400457

Technical data

Device supply

Supply voltage range	18 V DC ... 30 V DC
Typical current consumption	0.7 A
Power consumption	typ. 16.8 W
Power supply unit	24 V DC ±20 %

Standards and Regulations

Shock	DIN EN 60068-2-27
Vibration (operation)	DIN 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 10.0.1	27330201
eCl@ss 4.0	27330200
eCl@ss 4.1	27330200
eCl@ss 5.0	27330200
eCl@ss 5.1	27330200
eCl@ss 6.0	27242300
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
ETIM 7.0	EC001412

UNSPSC

UNSPSC 13.2	43211904
UNSPSC 18.0	43211904
UNSPSC 19.0	43211904
UNSPSC 20.0	43211904
UNSPSC 21.0	43211904

Touch panel - TP 3120W - 2400457

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 205795
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cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 205795
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cULus Listed			
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Accessories

Accessories

Battery module

Battery / accumulator - HMI BATTERY - 2701383

Lithium battery



Mounting material

Mounting material - UP12 21311.000 - 2402854



Flush-type box made of galvanized sheet steel for panel mounting.

Touch panel - TP 3120W - 2400457

Accessories

Mounting material - HMI WALL MOUNTING KIT - 2701380

HMI mounting kit for panel installation. The mounting kit includes 2 spring clips.



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 analog-resistive HMIs, silver coated. Delivery includes self-adhesive pen holder.

Parameterization memory

Program / configuration memory - SD FLASH 2GB - 2988162



Program and configuration memory, for extending the internal flash memory, pluggable, 2 GB.

PCB plug

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

PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 3, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin



Touch panel - TP 3120W - 2400457

Accessories

Storage medium

USB memory stick - USB FLASH DRIVE - 2402809



USB memory stick, 8 GB

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