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Touch panel - TP 3057V - 2400453

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Touch panel with 14.5 cm/5.7" TFT active-Display (Analog resistive (polyester)), 640 x 480 Pixel (VGA), 262144 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)

Why buy this product

☑ 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 IO 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 STK
Weight per Piece (excluding packing)	820.000 g
Custom tariff number	84714100
Country of origin	Germany

Technical data

Dimensions

External dimension, width	168 mm
External dimension, height	126 mm
External dimension, depth	5 mm
Note regarding external dimension	Dimensions of the front plate
Installation dimension, width	160 mm
Installation dimension, height	118 mm
Note regarding installation dimension	Installation cutout
Installation dimension, depth	42 mm

Display

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Technical data

Display

Display	14.5 cm/5.7" TFT active
Screen resolution	640 x 480 Pixel(s) (VGA)
Backlighting	LED
Display backlight MTBF	40000 h
Touch technology	Analog resistive (polyester)
Colors	262144 colors

Computer data

Processor	ARM$^®$ Cortex$^®$-A8, 800 MHz
Operating systems	Windows$^®$ Embedded Compact 7
User software	Visu+
	AX OPC Server
RAM	512 MB RAM
Mass storage	1 GB Flash
Network	1 x Ethernet (10/100 Mbps), RJ45
Interfaces	2x USB Host 2.0
Bus system	without
Optional interfaces	SD slot
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	800 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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Technical data

Device supply

Supply voltage range	18 V DC ... 30 V DC
Typical current consumption	typ. 0.3 A
Power consumption	typ. 7.2 W
Power supply unit	24 V DC ±20 %

Standards and Regulations

Shock	DIN EN 60068-2-27
Vibration (operation)	DIN EN 60068-2-6

Classifications

eCl@ss

eCl@ss 5.1	27242302
eCl@ss 6.0	27242302
eCl@ss 8.0	27242302
eCl@ss 9.0	27330201

ETIM

ETIM 4.0	EC001412
ETIM 5.0	EC001412

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approval details

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

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

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Approvals

cULus Listed ⁵Ⓤ us

Accessories

Accessories

Battery module

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.

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Accessories

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.

Parameterization memory

Program / configuration memory - SD FLASH 2GB - 2988162

Program and configuration memory

PCB plug

Printed-circuit board connector - MC 1,5/ 3-STF-3,5 - 1847068

Plug component, Nominal current: 8 A, Rated voltage (III/2): 160 V, Number of positions: 3, Pitch: 3.5 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

Storage medium

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Accessories

USB memory stick - USB FLASH DRIVE - 2402809

USB memory stick, 8 GB