

TP 3120W - Touch panel



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

- Acoustic warning from alarms via integrated buzzer (85 dB)
- Energy efficient due to LED backlighting
- 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
- Easy installation, low installation depth, and compact design
- Short startup time

Commercial data

Item number	2400457
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRCABC
Catalog page	Page 472 (C-6-2019)
GTIN	4055626055930
Weight per piece (including packing)	2,491 g
Weight per piece (excluding packing)	2,472 g
Customs tariff number	84714100
Country of origin	DE

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Technical data

Product properties

Product type	Operator panel
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Computer data

Processor	Arm® Cortex®-A8, 800 MHz
Operating system	Windows® Embedded Compact 7
RAM	512 MB RAM
Data storage system	Flash, 1 GB
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/m ² 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
Network	1 x Ethernet (10/100 Mbps), RJ45
Bus system	without

System properties

User software	Visu+ AX OPC Server
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System requirements

Runtime system	Visu+ Runtime
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Electrical properties

Service life of battery	5 years (typical)
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Supply

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

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Real-time clock

Realtime clock	Yes (battery-backed)
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Supply

Power consumption	typ. 16.8 W
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Mounting

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

Dimensions

External dimensions

Width / Height / Depth	330 mm / 225 mm / 5 mm (Dimensions of the front plate)
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Installation dimensions

Width / Height / Installation depth	322 mm / 217 mm / 48 mm (Installation cutout)
Installation depth	53 mm, (With bus interface)

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