

## Touch panel - TP 12T/M 211 - 2701844

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Touch panel with 30.7 cm/12.1" TFT-Display (Analog resistive (polyester)), 800 x 600 Pixel (SVGA), 65536 colors, Xscale<sup>®</sup> PXA320, 806 MHz, 2x USB host 1.1, 1x CompactFlash<sup>®</sup>, 1 x Ethernet (10/100 Mbps), RJ45, Windows CE 6.0 and User software: Visu+ / AX OPC Server. (Bus system: without)

### Why buy this product

- Short startup time
- Easy installation, low installation depth, and compact design
- Display available in sizes from 8.9 cm (3.8") to 38.1 cm (15")
- Visu+ RT and AX OPC server integrated as standard in all devices
- Energy efficient due to LED backlighting

### Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	3,520.000 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
External dimension, height	285 mm
External dimension, depth	5 mm
Note regarding external dimension	Dimensions of the front plate
Installation dimension, width	315 mm
Installation dimension, height	259 mm
Installation dimension, depth	62 mm

#### Display

Display	30.7 cm/12.1" TFT
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## Technical data

### Display

Screen resolution	800 x 600 Pixel(s) (SVGA)
Backlighting	LED
Display backlight MTBF	50000 h
Touch technology	Analog resistive (polyester)
Colors	65536 colors

### Computer data

Processor	Xscale® PXA320, 806 MHz
Operating systems	Windows® CE 6.0
User software	Visu+
	AX OPC Server
RAM	128 MB SDRAM
Mass storage	1 GB Flash
Network	1 x Ethernet (10/100 Mbps), RJ45
Interfaces	2x USB host 1.1
	1x CompactFlash®
Bus system	without

### General

Mounting type	Front installation
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### Ambient conditions

Degree of protection	IP65 (front), IP20 (back)
	NEMA 4X
Ambient temperature (operation)	0 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	20 % ... 85 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)
Vibration (operation)	DIN EN 60068-2-6
Shock	DIN EN 60068-2-27

### Device supply

Power supply unit	24 V DC ±20 %
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### Standards and Regulations

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

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## 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

### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

## Approvals

### Approvals

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#### Approvals

DNV / LR / ABS / RINA / GL / GL-SW / PRS / UL Listed / cUL Listed / GL

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#### Ex Approvals

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### Approval details

DNV <a href="http://exchange.dnv.com/tari/A-13918">http://exchange.dnv.com/tari/A-13918</a>
LR <a href="http://www.lr.org/en/14/20017">http://www.lr.org/en/14/20017</a>
ABS <a href="http://www.eagle.org/eagleExternalPortalWEB/14-HG1287593-PDA">http://www.eagle.org/eagleExternalPortalWEB/14-HG1287593-PDA</a>
RINA <a href="http://www.rina.org/en/index.aspx/ELE086614XG">http://www.rina.org/en/index.aspx/ELE086614XG</a>
GL <a href="http://www.gl-group.com/newbuilding/approvals/index.html/54463-07-HH">http://www.gl-group.com/newbuilding/approvals/index.html/54463-07-HH</a>

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## Approvals

GL-SW 54463-07 HH

PRS <http://www.prs.pl/TE/2110/880590/16>

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

GL  <http://www.gl-group.com/newbuilding/approvals/index.html>

## Accessories

### Accessories

#### Battery module

Battery / accumulator - HMI BATTERY - 2701383

Lithium battery



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## Mounting material

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 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.

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## Accessories

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### 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.

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### 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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## Operating stylus

### Touch pen - TOUCH PEN - 2701379



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

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## Parameterization memory

### Memory - CF FLASH 256MB - 2988780



Program and configuration memory, plug-in, 256 MB

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## PCB plug

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### Accessories

Printed-circuit board connector - MSTB 2,5/ 3-STF - 1786844



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

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### Protective foil

Protective foil - 12,1" DISPLAY PROTECTIVE FOIL - 2701377



Protective film set comprising 10 pieces of film for a 12.1" display. Including a squeegee to apply film and instructions.

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### Storage medium

USB memory stick - USB FLASH DRIVE - 2402809



USB memory stick, 8 GB

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Memory card - VL 1 GB CF - 2913155



CompactFlash® card, pluggable, 1 GB

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Memory card - VL 4 GB CF - 2913157



CompactFlash® card, pluggable, 4 GB

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### Accessories

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Memory card - VL 8 GB CF - 2913158



CompactFlash® card, pluggable, 8 GB

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