PHŒNIX CONTACT

Controller - S-MAX 412 CE PN - 2700586

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High-performance combination of PC platform, PLC and visualization with INTERBUS fieldbus master, 12" display, Windows CE.NET and PROFINET-Controller

Product Description

High-performance S-MAX compact controllers ensure reliable communication and a high level of availability. In addition to open and closed-loop control for your application, these class 400 compact controllers can also operate and monitor your processes directly.
S-MAX controllers behave like a conventional PROFINET-compatible PLC, but have an additional HMI (human-machine interface).
Thanks to the high level of performance of this unit, comprehensive automation tasks can be processed quickly and reliably.

Your advantages

☑ Visualization runtime system for Visu+ (SCADA visualization)

☑ Color TFT touch screen

☑ Numerous communication protocols supported such as: SNTP, SNMP, SMTP, SQL, MySQL

☑ Integrated web server for visualization with WebVisit

☑ PROFINET controller

☑ INTERBUS master

☑ FTP server

RoHS PROFI NET® INTERBUS

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	6,739.000 g
Custom tariff number	85371091
Country of origin	Germany

Technical data

Display

Display	30.7 cm/12.1" TFT
Screen resolution	800 x 600 Pixel(s) (SVGA)
Touch technology	Resistive industrial touch screen

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Technical data

Display

Brightness	250 cd/m², typical (adjustable)

Computer data

Processor	Intel® Celeron® M ULV 800 MHz
Operating system	Windows® CE 5.0
RAM	512 MB DDR
Network	3 x Ethernet (10/100 Mbps), RJ45
Interfaces	COM 1 (RS-232), 1x PS/2 mouse, 1x PS/2 keyboard, 2x USB
Monitor output	DVI
Bus system	RS-232
	RJ45
Graphics card	On-board graphics chip (AGP)
Realtime clock	Integrated (battery backup)

General

Mounting type	Installation in front plate
Weight	3795 g

Ambient conditions

Degree of protection	IP65 (front), IP20 (back)
Ambient temperature (operation)	5 °C ... 40 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	10 % ... 85 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)
Vibration (operation)	DIN EN 60068-2-6
Shock	DIN EN 60068-2-29

Standards and Regulations

Shock	DIN EN 60068-2-29
Vibration (operation)	DIN EN 60068-2-6

Classifications

eCl@ss

eCl@ss 4.0	27250281
eCl@ss 4.1	27360102
eCl@ss 5.0	27360102
eCl@ss 5.1	27242301
eCl@ss 6.0	27242301

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Classifications

eCl@ss

eCl@ss 7.0	27242301
eCl@ss 8.0	27242301
eCl@ss 9.0	19200103

ETIM

ETIM 2.0	EC001414
ETIM 3.0	EC001414
ETIM 4.0	EC001414
ETIM 5.0	EC001414

UNSPSC

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

Accessories

Accessories

Drivers and interfaces

Software - AX OPC SERVER - 2985945

AX OPC SERVER, communication interface for OPC-capable visualization with PC WORX-based controls.

Operator panel

Touch panel - WP 04T - 2913632

Touch panel with 8.9 cm (3.5") graphics-capable TFT display, 320 x 240 pixels, 1 x Ethernet, 2 x USB, and integrated micro browser

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Touch panel - WP 06T - 2913645

Touch panel with 14.5 cm (5.7") graphics-capable TFT display, 320 x 240 pixels, 1 x Ethernet, 2 x USB, and integrated micro browser

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Parameterization memory

Memory - CF FLASH 256MB RP - 2700288

Program and configuration memory, plug-in, 256 MBs with license key for the function block libraries.

Programming

Software - PC WORX BASIC LIC - 2985275

Software package for PC-based automation solutions, PC WORX BASIC license, contains all 5 IEC languages, without MSFC compiler, max. 2048 byte input and output data, version-specific license key

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Software - PC WORX DEMO - 2985725

Software package for PC-based automation solutions, PC WORX DEMO, contains all 5 IEC languages, with MSFC compiler, max. 16 bytes input and output data

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Software - PC WORX PRO LIC - 2985385

Software package for PC-based automation solutions, PC WORX PRO license, contains all 5 IEC languages, with MSFC compiler, max 128 kB input and output data, version-specific license key

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Accessories

Software - PC WORX PRO-MSFC LIC - 2985495

Software package for PC-based automation solutions, PC WORX PRO-MSFC license, contains all 5 IEC languages and MSFC compiler, max. 64 Kbytes IN, 64 Kbytes OUT, version-specific license key

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