Chipsmall

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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

PHŒNIX CONTACT

Controller - AXC 1050 XC - 2701295

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Axiocontrol for the direct control of Axioline I/Os. With 2 Ethernet interfaces, extended temperature range, and programming options according to IEC 61131-3. Complete with connector connector and marking field.

Product Description

The AXC 1050/XC modular small-scale controller for the Axioline I/O system is fast, robust, and easy, i.e., it is consistently designed for maximum performance, easy handling, and use in harsh industrial environments in the extended temperature range from -40°C to +70°C.

Product Features

- ☑ PROFINET-Device
- ☑ MODBUS TCP Client
- ☑ Numerous protocols supported such as: HTTP, FTP, SNTP, SNMP, SMTP, SQL, MySQL, etc.
- ☑ Free engineering with PC Worx Express (IEC 61131-3)
- ☑ Maritime approvals (GL, DNV, LR, BV, RINA, ABS)
- ☑ Up to 63 AXIO I/O modules can be mounted side by side
- ☑ Integrated UPS for targeted shutdown of the application
- ☑ Configuration via USB
- ☑ Web server - JAVA
- ☑ SD card up to 2 GB as optional plug-in parameterization memory
- ☑ 2 x Ethernet interfaces (integrated switch)
- ☑ Increased resistance to EMI
- ☑ Extended temperature range of -40°C ... 70°C (with derating)

Key Commercial Data

Packing unit	1 pc
Custom tariff number	85371091
Country of origin	Germany

Technical data

Note

Controller - AXC 1050 XC - 2701295

Technical data

Note

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

Dimensions

Width	45 mm
Height	125.9 mm
Depth	74 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 70 °C (Observe derating as per user manual)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (according to DIN EN 61131-2)
Permissible humidity (storage/transport)	5 % ... 95 % (according to DIN EN 61131-2)
Air pressure (operation)	70 kPa ... 106 kPa (up to 3000 m above mean sea level)
Air pressure (storage/transport)	58 kPa ... 106 kPa (Up to 4500 m above sea level)
Shock	30g, 11 ms period, half-sine shock pulse, according to IEC 60068-2-27
Vibration (operation)	5g

Control system

Programming tool	PC WORX / PC WORX EXPRESS
Diagnostics tool	DIAG+
Configuration tool	Config+ Version 1.01 or later

Mechanical design

Weight	244.5 g
Diagnostics display	No
Controller redundancy	No

Data interfaces

Interface	Axioline F local bus
Connection method	Bus base module
Transmission speed	100 MBit/s
Interface	Parameterization/operation/diagnostics
Connection method	Micro USB type B
Transmission speed	max. 115,2 kBit/s
Interface	Ethernet
Connection method	RJ45 socket
Transmission speed	10/100 MBit/s

PROFINET

Controller - AXC 1050 XC - 2701295

Technical data

PROFINET

Device function	PROFINET controller, PROFINET device
Specification	Version 2.2
Update rate	min. 4 ms

Power supply

Typical current consumption	125 mA
Max. current consumption	160 mA
Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC
Residual ripple	± 5 %
Power dissipation	max. 3 W

Fieldbus function

Amount of process data	max. 8192 Bit (Axioline F local bus)
	max. 32768 Bit (internal Modbus Client)
	max. 4096 Bit (Axioline#F local bus (input))
	max. 4096 Bit (Axioline#F local bus (output))
Number of supported devices	max. 63
Number of local bus devices that can be connected	max. 63 (observe current consumption)

General data

Processor	Altera Nios II 100 MHz
Diagnostics display	No

Direct I/Os

Without analog input	yes
Without analog output	yes
Without pulse direction output	yes
Without counter input	yes

IEC 61131 runtime system

Programming tool	PC WORX / PC WORX EXPRESS
Program memory	1 Mbyte (86 K instructions (IL))
Mass storage	2 Mbyte
Retentive mass storage	48 kByte (NVRAM)
Number of control tasks	8
Realtime clock	Yes

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Classifications

eCl@ss

eCl@ss 4.0	27240602
eCl@ss 4.1	27240602
eCl@ss 5.0	27242589
eCl@ss 5.1	27242590
eCl@ss 6.0	27242590
eCl@ss 7.0	27242590
eCl@ss 8.0	27242207

ETIM

ETIM 3.0	EC001045
ETIM 4.0	EC001435
ETIM 5.0	EC000236

UNSPSC

UNSPSC 6.01	81111810
UNSPSC 7.0901	81111810
UNSPSC 11	81111810
UNSPSC 12.01	81111810
UNSPSC 13.2	81111810

Approvals

Approvals

Approvals

RINA / GL / DNV / UL Listed / cUL Listed / BSH / BV / LR / GL-SW / ABS / NK / cULus Listed / GL

Ex Approvals

ATEX

Approvals submitted

Approval details

| RINA |

Controller - AXC 1050 XC - 2701295

Approvals

GL

DNV

UL Listed

cUL Listed

BSH

BV

LR

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ABS

NK

cULus Listed

GL