

Controller - AXC 1050 - 2700988

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Axio control for direct open-loop control of Axioline I/Os. With 2 Ethernet interfaces and programming capabilities according to IEC 61131-3. Complete with connector connector and labeling field.

Product description

Thanks to direct mounting of up to 63 AXIO I/O modules side by side, the highly modular AXC 1050 controller allows you to create an automation solution that is tailored to your specific requirements. Its integrated Ethernet interface enables parameterization and programming using PC Worx automation software according to IEC 61131, it can also exchange data with OPC servers simultaneously, includes a web server for cost-effective visualizations, and communicates with TCP/IP-compatible devices. Furthermore, the AXC 1050 can be configured as a PROFINET device or PROFINET controller, and so can be optimally integrated in your PROFINET network.

Product Features

- ✓ Numerous protocols supported such as: HTTP, FTP, SNTP, SNMP, SMTP, SQL, MySQL, etc.
- ✓ Free engineering with PC Worx Express (IEC 61131-3)
- ✓ Up to 63 AXIO I/O modules can be mounted side by side
- ✓ Integrated UPS for targeted shutdown of the application
- ✓ Configuration via USB



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	220.0 GRM
Custom tariff number	85371099
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

Width	45 mm
Height	125.9 mm

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Technical data

Dimensions

Depth	74 mm
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Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C
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

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

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 %

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))

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Fieldbus function

	max. 4096 Bit (AxioLine F local bus (output))
Number of local bus devices that can be connected	max. 63 (observe current consumption)
Module classification	Axiocompact for the direct control of AxioLine F I/Os

IEC 61131 runtime system

Programming tool	PC Worx/PC Worx Express
Processing speed	1.3 ms (1 K mix instructions)
	90 µs (1 K bit instructions)
Program memory	1 Mbyte (86 K instructions (IL))
Mass storage	2 Mbyte
Retentive mass storage	48 kByte (NVRAM)
Number of data blocks	depends on mass storage
Number of timers, counters	depends on mass storage
Number of control tasks	8
Realtime clock	Yes

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

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Approvals

Approvals

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UL Listed / cUL Listed / UL Listed / cUL Listed / cULus Listed

Ex Approvals


Approvals submitted

Approval details

UL Listed 

cUL Listed 

UL Listed 

cUL Listed 

cULus Listed 