

Function block - WATERWORX - 2400180

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WATERWORX includes function block libraries for PC Worx which supplement the control technology from Phoenix Contact with functions such as regulation or control of field devices in process automation for water and wastewater treatment. The function blocks can be downloaded.

Product Description

Purpose-built function blocks for integrating various field devices such as drives, slide gates, valves, and diverse functions support quick and easy engineering. The new version is enabled on the controller by means of a plug-in program and configuration memory (e.g., SD FLASH 2GB APPLIC A) and a valid license key.


Without a valid license, blocks can be tested in demo mode for one week.

Your advantages

- Minimized engineering costs for programming, thanks to ready-made function blocks
- Reduced maintenance effort, thanks to uniform programming of your system
- Industry-specific library for process automation in drinking water treatment and wastewater purification applications
- Easy integration of measurement and control technology using pre-programmed function blocks
- User-friendly function blocks, programs, and help



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 981088
GTIN	4046356981088

Technical data

License information

Intended use for the software	Software library
Type of license	License key for function blocks
Function block type	Communication
	Closed-loop control
Information regarding the type of license	Function block library can be used without license in demo mode for one week

Functions

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Technical data

Functions

Basic functions	Process automation in Water and Wastewater Treatment
Expanded functionality	Manufacturer-independent integration of industry-specific field devices
	Storage of preset values
	PROFINET, PROFIBUS, Modbus/TCP, Modbus/RTU, and HART supported
	Integration of customary functions such as control of motors, pumps, fans, flaps, valves, and technical control applications
Supported controllers	ILC 1xx, ILC 3xx, RFC 47x
	Ohne Unterstützung von HART: AXC 1xxx, AXC 3xxx, PC WORX RT BASIC/SRT

Software requirements

Software	PC WORX Version 6.30 or later
Languages supported	German, English

General information

Information regarding the system requirements	Note the individual properties and requirements of the devices. Should you have any questions, please contact the Support team directly or the relevant contact person in Sales.
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Classifications

eCl@ss

eCl@ss 10.0.1	27242505
eCl@ss 4.0	27240600
eCl@ss 4.1	27240600
eCl@ss 5.0	27242500
eCl@ss 5.1	27242500
eCl@ss 6.0	27242500
eCl@ss 7.0	27242505
eCl@ss 8.0	27242505
eCl@ss 9.0	27242505

ETIM

ETIM 2.0	EC001435
ETIM 3.0	EC001435
ETIM 4.0	EC001435
ETIM 5.0	EC002582
ETIM 6.0	EC002582
ETIM 7.0	EC002582

UNSPSC

UNSPSC 6.01	81111810
UNSPSC 7.0901	81111810

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Classifications

UNSPSC

UNSPSC 11	81111810
UNSPSC 12.01	43232401
UNSPSC 13.2	43232401

Accessories

Accessories

Controller

Controller - AXC 1050 - 2700988



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

Controller - ILC 151 ETH - 2700974



The Inline controller offers the option of communicating via PROFINET and Modbus/TCP. Programming is carried out using PC Worx Express or PC Worx (IEC 61131-3).

Controller - ILC 151 ETH/XC - 2701141



Inline controller for use under harsh ambient conditions, with Ethernet interface for coupling to other controllers and systems, with programming options according to IEC 61131-3, complete with connector and labeling field.

Controller - ILC 151 GSM/GPRS - 2700977



Inline Controller with Ethernet interface and GSM modem for coupling to other controllers and systems, with programming options according to IEC 61131-3, complete with plug and labeling field.

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Accessories

Controller - ILC 171 ETH 2TX - 2700975



The Inline controller offers the option of communicating via PROFINET and Modbus/TCP. Programming is carried out using PC Worx Express or PC Worx (IEC 61131-3).

Controller - ILC 191 ETH 2TX - 2700976



The Inline controller offers the option of communicating via PROFINET and Modbus/TCP. Programming is carried out using PC Worx Express or PC Worx (IEC 61131-3).

Controller - ILC 350 PN - 2876928



Inline Controller with PROFINET interface for coupling to other controllers and systems, with programming options according to IEC 61131-3, complete with plug and labeling field.

Controller - ILC 390 PN 2TX-IB - 2985314



Inline Controller with PROFINET interfaces for coupling to other controllers and systems, with programming options according to IEC 61131-3, complete with plug and labeling field.

Controller - RFC 460R PN 3TX - 2700784



High-availability Remote Field Controller with redundancy function, 3 x 10/100 Ethernet, PROFINET controller, IP20 protection, plug-in parameterization memory

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Accessories

Controller - RFC 470 PN 3TX - 2916600



Remote Field Controller with 3x10/100 Ethernet, INTERBUS-Master, PROFINET-Controller, PROFINET device, IP20 degree of protection, pluggable parameterization memory

Parameterization memory

Program / configuration memory - SD FLASH 512MB APPLIC A - 2701799



Program and configuration memory for extending the internal Flash memory, plug-in, 512 MB, with license key for function block libraries, e.g., for: SNMP, SQL, wireless, motion functions, etc.

Program / configuration memory - SD FLASH 2GB APPLIC A - 2701190



Program and configuration memory for extending the internal Flash memory, plug-in, 2 GB, with license key for function block libraries, e.g., for: SNMP, SQL, wireless, motion functions, etc.

Visualization

Software - ATWISE - 2400478



The atwise® visualization software is based on open web standards that can even be used to implement complex operating and monitoring tasks.

Necessary add-on products

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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Accessories

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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