

Licence PA Toolkit GSPL

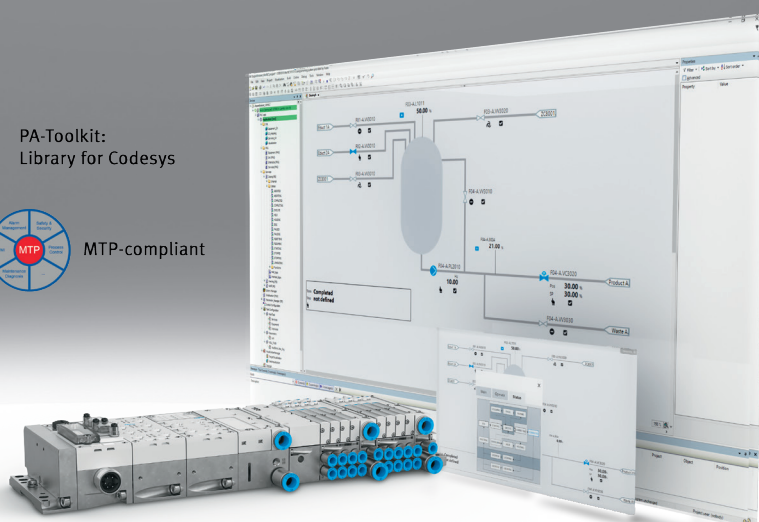
FESTO



PA-Toolkit:
Library for Codesys



MTP-compliant



Characteristics

At a glance

With the PA Toolkit, implementing the automation logic of process engineering units and modules is really intuitive.

The PA Toolkit offers a comprehensive set of predefined function blocks and associated visualisation elements. This enables the simple and intuitive development of control logics and user interfaces. Suppliers of process engineering units can thus implement automation solutions without in-depth programming knowledge.

Modularisation is found in every industry and enables automated modules to be combined for fast and flexible production. The simplicity of this combination lies in the standardisation of the interfaces used for this as defined by the VDI/VDE/NAMUR 2658 Module Type Package (MTP) for process engineering modules. The PA Toolkit supports these interfaces so they can be integrated consistently into any MTP-capable control system.

The PA Toolkit contains an extensive supply of function blocks, symbols and faceplates for CODESYS. The function blocks offer versatile and reliable modules for implementing your automation processes. The full range of functions for the visualisation elements are provided by simply linking them to the corresponding function block.

The library for CODESYS can be used for programming applications without in-depth programming knowledge. It is ideal for automating modular systems according to the MTP standard.

Operating mode:

- Download package
- Select field devices in a system (manufacturer-independent)
- Parameterising the function block; field devices are represented by their digital twin in the application software
- Symbols in the process graphics allow the system operator to access the field devices during runtime
- The MTP description file is exported from the process graphics, which enables error-free and easy connection to the control system

Function block families available in the PA Toolkit at field level:

- Analogue input and output (each analogue sensor, each device control with analogue signal)
- Digital input and output (e.g. limit switches)
- Bistable valve (e.g. on/off process valves) and regulator
- Bistable actuator (e.g. on/off motors) and variable speed drive
- Positioning based on electrical terminal CPX and valve terminal MPA from Festo

Function block families available in the PA Toolkit at application level:

- Service (sequential function diagram, S88 batch phase)
- Totaliser (integrator for dosing)
- PID controller

Development environment

Supported systems

- CPX-CEC-* V3 as of revision R08
- CPX-E-CEC-* as of revision R10
- Codesys development environment from version 3.5.12.60

Licence

No licence is required for installing and using the PA Toolkit in the CODESYS development environment. To execute a control logic implemented with the PA Toolkit, a licence is required on the executing controller. An automatically renewable demo licence is available for two hours for the development and execution of an application in a test environment. This licence does not need to be activated.

A control licence is required for continuous operation in an automation solution. The control-related licences enable productive use of an application. Licences are assigned by entering the corresponding product key.

To use the licence, it needs to be transferred to the controller using the Festo Automation Suite.

Type code

001	Series	
GSPL	Software	

002	Development environment	
CDS	CODESYS	

003	Licence	
W	WIBU licence	

Datasheet

General technical data	
Licence characteristics	Licence validity is hardware-bound Licence based on CoDeSys
Licence period	–
Area of application	Licence for PA Toolkit
System requirements	Chrome from version 81.0.4044.122 (Official Build) (64 bit) CoDeSys from V3.5 SP12 Patch 6

Ordering data

Ordering data			
	Licence	Part no.	Type
	WIBU licence	8122724	GSPL-CDS-W