



Item description

In addition to the compiler check, the *e!COCKPIT* Static Analysis add-on checks the source code based on defined rules and naming conventions. This add-on displays potential development problems, allowing errors to be detected and corrected before field testing. More than 100 partly parameterizable rules have already been implemented that can be combined into individual rule sets. The add-on functions are seamlessly integrated into the *e!COCKPIT* development environment.

Advantages:

- Avoid errors during program creation
- Save time-consuming troubleshooting during application development
- Ensure that the program code conforms to the defined rules and is easily readable

Main Functions:

- Check the application explicitly via menu command
- Alternatively: automatic verification during code generation

Subject to changes. Please also observe the further product documentation!



- Control pre-processor instructions, and determine which parts of the code will be analyzed

Rules and Naming Conventions:

Within the *e!COCKPIT* project settings, a standard set of programming rules and naming conventions can be configured in the standard version:

- Unused variables
- Overlapping memory areas
- Simultaneous access
- Multiple write access to output
- Multiple use of the name

Additionally, the following analytics can be performed with *e!COCKPIT* Static Analysis:

- Discover unreachable parts of the code
- Find empty objects
- Find empty instructions
- Find useless declarations
- Conversions
- Write access to input variables
- Rules for operators
- Rules for FOR and CASE instructions
- Strict testing of IEC rules

Result of the Analysis:

The result of the analysis is displayed in the message window. Each violation has a unique number and can be uniquely associated with the configured rules and naming conventions.

Metrics:

Various metrics, such as the number of code lines, memory consumption or the evaluation of software complexity, as well as the upper and lower limits to be observed, can be configured for evaluation of the code quality.

The results of the applied metrics can be displayed in tabular and graphical form as a Kiviati diagram.

Data

System requirements

Hard disk space	min. 30 MB
Other required software	<i>e!COCKPIT</i> version: V1.4.0

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Delivery

License type	Single-user license
Delivery type	Installation file (download)
License type (note)	A single license allows installation on one computer.
License type (note) (2)	Internet connection may be required for license activation.
Licence Generation	DRM

Commercial data

eCl@ss 10.0	27-24-25-01
eCl@ss 9.0	27-24-25-01
ETIM 8.0	EC000809
ETIM 7.0	EC000809
PU (SPU)	1 pcs
Country of origin	QU
GTIN	4055143708272
Customs tariff number	88888888888

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

Downloads

Documentation

Bid Text

2759-403/1420-1000 X81 - Datei	2019 Feb 19	xml 6.9 kB	Download
2759-403/1420-1000 docx - Datei	2019 Jan 10	docx 18.2 kB	Download

System Description

Software – General Product Information	pdf 377.6 kB	Download
--	-----------------	----------

Engineering-Software

e!COCKPIT Add-On

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG
 Hansastr. 27
 32423 Minden
 Phone: +49571 887-0 | Fax: +49571 887-169
 Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
 We are always happy to take your call at +49 (571) 887-44222.



e!COCKPIT Static Analysis V 4.2.0

V 4.2.0
2018 Feb 26

URL
2.8 MB

Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2759-403/1420-1000
e!COCKPIT Static Analysis; Single License

URL

Download

Installation Notes

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.