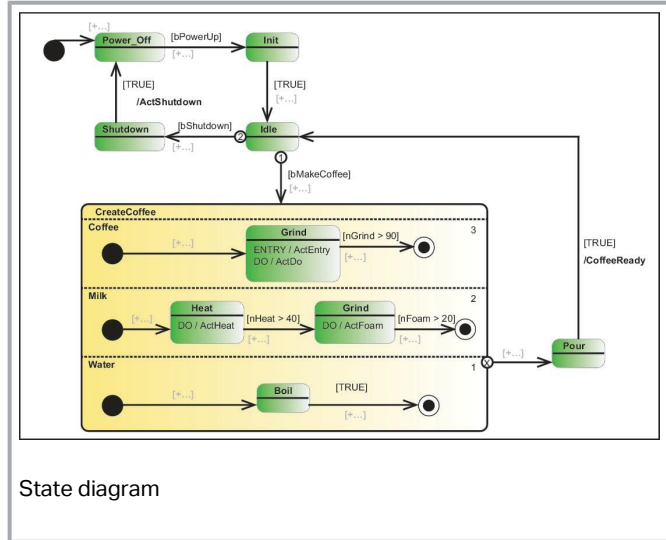**WAGO**

Class diagram

State diagram

Item description

UML (Unified Modeling Language) is a graphical language for specifying, designing and documenting object-oriented software. It clearly facilitates discussions between programming and other disciplines within system development. The *e!COCKPIT* UML add-on extends the *e!COCKPIT* Engineering Software with two languages of the "Unified Modeling Language": the class diagram and the status diagram.

Advantages:

- Improved readability of the program code via clear class and behavior diagrams in standardized form
- Reduce programming errors by generating program code from UML diagrams
- Easier debugging through online data in the state diagram

Class Diagram:

The class diagram belongs to the group of UML structure diagrams. With the additional graphic editor, the object-oriented structure of *e!COCKPIT* projects can be mapped or designed. The various object classes (e.g., function blocks or interfaces), including the variables and methods used in them, and their relationships are clearly displayed.

The existing project structure can be imported directly from the device structure when creating a class diagram.
However, a project structure can also be rebuilt using the following available class and relationship elements:

- Class (POU)

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

- Interface
- Variable declaration
- Property
- Method
- Generalization
- Realization relationship
- Association
- Composition

New objects in the class diagram editor are automatically inserted into the device structure.

State Diagram:

The state diagram belongs to the group of UML behavior diagrams. It is a graphical language for specifying and designing the sequence of event-discrete systems. Unlike with the class diagram, executable application code is generated when compiling a state diagram.

The state diagram editor includes a selection of step and transition elements:

- Start state
- End state
- State
- Composite state
- Junction/connection
- Selection
- Transition
- End transition
- Exception transition

When the application is running, the status diagram is switched according to the clock cycle. In addition, an independent switching behavior can be realized via cyclic internal state diagrams. In online mode, the state diagram is animated so that the current status of the process can be tracked at any time.

Data
System requirements

Hard disk space	min. 20 MB
Other required software	*e!COCKPIT* version: V1.3.0

Delivery

License type	Single-user license
Delivery type	Installation file (download)
License type (note)	A single license allows installation on one computer.

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

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	4055143590808
Customs tariff number	88888888888

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Downloads
Documentation

Bid Text

2759-402/1420-1000 X81 - Datei	2019 Feb 19	xml 7.3 kB	Download
2759-402/1420-1000 docx - Datei	2019 Jan 10	docx 18.0 kB	Download

System Description

Software – General Product Information		pdf 377.6 kB	Download

Engineering-Software

e!COCKPIT Add-On

e!COCKPIT UML V 4.0.3	V 4.0.3 2018 Feb 26	URL 3.2 MB	Download
e!COCKPIT UML V 4.0.2	V 4.0.2 2017 Feb 24	URL 1.6 MB	Download

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

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2759-402/1420-1000	URL	Download
e!COCKPIT UML; Single License		

Installation Notes

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

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