

ENGINEERING SOFTWARE & TOOLS

CODESYS SAFETY Software for Safety PLCs

612 001 00

Kendrion Kuhnke Automation uses CODESYS, a software platform for many tasks in automation technology. The software is available for all Kuhnke platforms in the CODESYS V3 version. CODESYS Safety is fully integrated into the PLC programming system when installed as a package. Together with the Safety PLC and the Safety I/Os, applications in safe automation up to SIL3 according to IEC 61508 and DIN EN ISO 13849 PL_e, category 3/4 1oo2 can be realised.

Programming is done with the Integrated Safety FBD Editor using PLCopen Safety blocks in the CODESYS Development System, communication between the components with FSoE (FailSafe over EtherCAT) in the EtherCAT fieldbus.

- Integrated Safety FBD Editor for programming
- PLCopen® safety modules
- Protocol stack for FSoE (FailSafe over EtherCAT)
- Communication from the safety control to the standard control



DESCRIPTION	VALUE
Integrated function	Integrated Safety FBD Editor for Safety PLC and Safety I/O
Product status	Technology
Application	For safe automation applications up to SIL3 according to IEC 61508 and DIN EN ISO 13849 PLe, category 3/4 1002rd in all available editors
Provision	Installation as a package in the PLC programming system
Requirements	CODESYS Standard SPS, EtherCAT, Sicherheits-SPS

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PRODUCT

<https://www.kendrion.com/en/productfinder/group/product/engineering-tools/612-000-10-1>