

Automating with SIMATIC S7-1200



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The SIMATIC S7-1200 PLC offers a modular design concept with similar functionality as

the well-known S7-300 series. Being the follow-up generation of the SIMATIC S7-200 the controllers can be used in a versatile manner for small machines and small automation systems. Simple motion control functionalities are both an integral part of the micro PLC and an integrated PROFINET interface for programming, HMI link and CPU-CPU communication. As part of Totally Integrated Automation (TIA) Portal, the engineering software STEP 7 Basic offers a newly developed user interface, which is matched to intuitive operation. The functionality comprises all interests concerning automation: From configuring the controllers via programming in the IEC languages LAD (ladder diagram), FBD (function block diagram) and SCL (structured control language) up to program testing. The book presents all of the hardware components of the automation system S7-1200, as well as its configuration and parameterization. A profound introduction into STEP 7 Basic V11 illustrates the basics of programming and trouble shooting. Beginners learn the basics of automation with SIMATIC S7-1200 and advanced users of S7-200 and S7-300 receive the knowledge required to work with the new PLC.

作者介绍:

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