

AUTÓMATAS PROGRAMABLES Y SISTEMAS DE AUTOMATIZACIÓN

2ª EDICIÓN

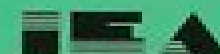


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Enrique Mandado Pérez
Jorge Marcos Acevedo
Celso Fernández Silva
José I. Armesto Quiroga

APROTEGA

Asociación para el Progreso
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Autmatas Programables Spanish Edition

Andre Simon



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Autómatas programables Josep Balcells,Romeral Jos, Luis coaut,Rey Eugenio coord,1998 Autómatas Programables y Sistemas de Automatización Enrique Mandado Pérez,Jorge Marcos Acevedo,Celso Fernández Silva,2009-09-15 Este libro pretende transmitir al lector los conceptos tecnológicos ligados a los autómatas programables y su utilización para implementar sistemas de automatización Para ello los autores basándose en su experiencia en el diseño de sistemas de control y en la enseñanza de los mismos han organizado el libro en cinco partes además de capítulos para estructurar mejor los innumerables conceptos ligados a los sistemas de automatización En el capítulo 1 de la parte 1 se estudian los conceptos generales asociados a los controladores lógicos y en la parte 2 formada por los capítulos 2 y 3 se describen el sistema de programación STEP7 y el sistema IEC1131 3 respectivamente La parte 3 está formada por los capítulos 4 5 y 6 El capítulo 4 analiza los principales conceptos de los sistemas electrónicos de control como introducción al capítulo 5 dedicado a los métodos de diseño de sistemas de control lógico y al capítulo 6 en el que se describen los sistemas de control de procesos continuos La parte 4 formada por los capítulos 7 8 y 9 está dedicada al entorno de los autómatas programables del que forman parte los sensores industriales los interfaces de conexión con el proceso y el usuario y las Comunicaciones Industriales La parte 5 incluye el capítulo 10 dedicado a estudiar la confiabilidad de los sistemas electrónicos de control en general y la de los autómatas programables en particular Hay que resaltar también que para que el libro sea autocontenido se incluyen en los cinco apéndices En el apéndice 1 se estudian los conceptos de las Comunicaciones Digitales necesarios para comprender las Comunicaciones Industriales En los apéndices 3 4 y 5 se describen respectivamente la red de sensores y actuadores AS i la red de control PROFIBUS y la red Ethernet Industrial Profinet En el apéndice 5 se analizan los principales conceptos asociados a la garantía de funcionamiento o confiabilidad de los sistemas electrónicos en general necesarios para comprender los sistemas electrónicos de control seguros ante averías y de elevada disponibilidad Hay que destacar además los apéndices 6 y 7 y el índice alfabético en castellano e inglés que tienen como objetivo concienciar al lector por una parte sobre la necesidad de conocer los términos ingleses y por otra de crear términos en español Se pretende de esta forma contribuir a la mentalización de los técnicos de habla hispana sobre la importancia económica del idioma con el que hablamos en España y en Iberoamérica Este libro no solo va dirigido a los técnicos que se quieren especializar en el diseño de instalaciones de control industrial sino también a los técnicos especializados en las diferentes áreas de la ingeniería como por ejemplo la mecánica la generación y distribución de energía eléctrica la química etc que necesitan conocer los fundamentos de los sistemas electrónicos de control y sus aplicaciones **Autómatas programables** Andre Simon,1995 **Autómatas programables** David Lasso Tárraga,José Moreno Gil,1999 Autómatas programables Angel F. Serrano Grande,Miguel A. del Olmo Díez,1989 **Automatas programables** Josep I. Perat Benavides,José A. Sánchez López,1997 **Autómatas programables, ELEE018PO.** ,2022

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