



Standards and Certificates | Automation systems and control components 223

## Standards and certificates

General standards	
Quality management	DIN EN ISO 9001:2000
Quality management	ISO/TS 16949
Environmental protection management system	DIN ISO EN 14001
CE mark, EC declaration of conformity	95/EC
Decree on the safety of devices and products	GPSGV
Low Voltage Directive	73/23/EEC
Machinery Directive	98/73/EC
ATEX Product Directive	94/9/EC
EMC Directive; IndraControl is a Class-A product	2004/108/EC
Product-specific standards	
www.ce-richtlinien.de	CE mark
www.UL.com	UL mark
Programmable controllers	IEC EN 61131
Programmable controllers – Part 2: Equipment requirements and tests	IEC EN 61131-2
Programmable controllers – Part 3: Programming languages	IEC EN 61131-3
Digital data communication for measurement and control	IEC EN 61158
sercos II	IEC EN 61491
See glossary	PLCopen
Safety technology in the drive	
Safety of machinery – Safety-related parts of control systems	EN ISO 13849-1:2006
Safety of machinery – Safety-related parts of control systems	ISO 13849-1:1999
Safety of machinery – Safety-related parts of control systems	EN ISO 13849-2:2003
Safety of machinery – Electrical equipment of machines	EN 60204-1:1997
Safety of machinery – Electrical equipment of machines	EN 60204-1:2007
Electronic equipment for use in power installations	EN 50178:1997
Adjustable speed electrical power drive systems – Part 3: EMC requirements and specific test methods	EN 61800-3:2004
Standard for Power Conversion Equipment	UL 508C R7.03
Safety Functions Incorporating Electronic Technology	C22.2 No. 0.8-M86 (R2003)
Industrial Control Equipment	CAN/CSA C22.2 No. 14-95
Safety technology in the control	
Functional safety of electrical/electronic/programmable electronic safety-related systems	IEC 61508
Safety of machinery – Functional safety of safety-related electrical, electronic and programmable electronic control systems	EN IEC 62061
Safety of machinery – Safety-related parts of control systems	EN ISO13849-1:20

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