

Control hardware
IndraControl L65



Control hardware

IndraControl L65

Documentation



Advantages:

- Scalable hardware platform
- Standardized communication interfaces
- Optional extension through function and technology modules
- Ideal for centralized and distributed control topologies
- Individually extendable with high-grade visualization components
- Modular I/O units

Technical data

		L65.1
Processor		
CPU		Celeron 1 GHz
CPU		Celeron 1 GHz
Real-time clock		integrated
Memory		
Use / application		512 MB
Remanent memory		256 kB
Buffered		8 MB
Flash	MByte	1
Flash size		1 GB
Display		
Type		LCD 1-line
Operation		
Type		4
		Operating keys
Interfaces		
Ethernet		1 x Ethernet TCP/IP (Standard)
Ready		1 x Ready contact (Standard)
serial		2 x Ethernet TCP/IP (Option)
Diagnosis		
Type		Powerfail
		Watchdog
		Temperature monitoring
I/O		
Digital inputs		8 DC-decoupled inputs (with interrupt capability)
Digital outputs		8 DC-decoupled outputs
Channels, used	Max.	256
Function modules	Max.	4

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I/O extension	Max. number of Inline modules	63
	Max. number of bytes	64
Fieldbus		
Sercos III		1 x Sercos III (Option)
PROFINET		1 x PROFINET IO-Controller/-Device (Option)
EtherNet/IP		1 x ETHERNET/IP scanner/adapter (Option)
PROFIBUS		1 x PROFIBUS-Master/-Slave (Standard)
Electrical data		
Power supply U		24 V DC
Power supply U		24
$U_{\min} \dots U_{\max}$		19 ... 30
$U_{\min} \dots U_{\max}$		19 V DC ... 30 V DC
Residual ripple	[±%]	5
Residual ripple		+/-5 %
Logic supply U_L	[V DC]	7.5
	Max. [mA]	2
Logic supply U_L		7.5 V (transformed from external 24 V DC)
		Max. 2 A
Logic, segment supply U_{LS}	[V DC]	24
	Tolerance	-25% ... +30%
	Max. [A]	max. 3 A
Analog supply U_{ANA}	[V DC]	24
	Max. [A]	0.5
Segment supply voltage U_S	[V DC]	24
	Tolerance	-15% ... +20 %
	Max. [A]	max. 8 A ($U_M + U_S$)
Main supply voltage U_M	[V DC]	24
	Tolerance	-15% ... +20 %
	Max. [A]	max. 8 A ($U_M + U_S$)
Power consumption	[W]	20
Power consumption		20 W
Protection		
Protection category - overall		IP20
Load		
Vibration resistance	[g]	1
Vibration resistance		1 g
Shock resistance	[g]	15
Shock resistance		15 g
Norms and Standards		
Certification		CE/UL/CSA
Environmental conditions		

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Permissible temperature (operation)	+5 °C ... +55 °C	
Permissible humidity (operation)	5% to 95%, EN 61131-2	
Protection category	IP20	
Weight		
Weight	[kg]	1.5

Dimensions

		L65.1
Dimensions		
Height H	[mm]	120
Width B	[mm]	176
Length T	[mm]	108

Ordering information

Type code	Description	Material number:
CML65.1-3P-500-NA-NNNN-NW	IndraControl L65, Sercos III, configurable fieldbus interface	R911170900
CML65.1-3P-504-NA-NNNN-NW	IndraControl L65, Sercos III, configurable fieldbus interface, 8 MB SRAM	R911170899
CML65.1-NP-500-NA-NNNN-NW	IndraControl L65, RT Ethernet + PROFIBUS, configurable fieldbus interface	R911170460

Accessories

Type code	Description	Material number:
CAL01.1-F2	Fans	R911171153
R-IB IL CML S01-PLSET	Connector set for IndraControl L10, L20, L40, L45, L65	R911299856
R-IB IL CML S04-PLSET	Connector set for IndraControl L20, L40, L45, L65, separate numbering	R911172193
R-IB IL FIELD 2	Labeling field, narrow	R911289341
R-IB IL FIELD 8	Labeling field, wide	R911289342

Accessories**Auxiliary components**

Description		
IndraControl L	CFL function modules	Fast I/O
IndraControl L	CFL function modules	Real-time Ethernet and PROFIBUS
IndraControl L	CFL function modules	Programmable limit switch
IndraControl L	CFL function modules	Cross communication
IndraControl L	CFL function modules	Sercos III

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System

Description	Page	Details
CNC	IndraMotion MTX performance	Up to 64 axes
Motion logic system	IndraMotion MLC	Controller-based
PLC	IndraLogic XLC	