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Control hardware
IndraControl L75



Control hardware

IndraControl L75

Documentation

**Advantages:**

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

Technical data

		L75.1
Processor		
CPU		(Atom 2 x 1,7 GHz)
Real-time clock		integrated
Memory		
Use / application		4 GB
Remanent memory		256 kB
Buffered		16 MB
Flash size		1 GB
Display		
Type		LCD 1-line
Operation		
Type		4
		Operator keys
Interfaces		
Ethernet		1 x Ethernet TCP/IP (Standard)
Ready		1.0 x Ready contact (Standard)
Serial		2.0 x Ethernet TCP/IP (Optional)
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

Control hardware

IndraControl L75

I/O extension	Max. no. of Inline modules	63
	Max. no. of bytes	64
Fieldbus		
PROFINET		1.0 x PROFINET IO-Controller/-Device (Optional)
Sercos		1.0 x Sercos III (Optional)
EtherNet/IP		1.0 x ETHERNET / IP scanner / adapter (Optional)
PROFIBUS		1.0 x PROFIBUS-Master/-Slave (Standard)
Electrical data		
Supply voltage U		24 V DC
$U_{\min} \dots U_{\max}$		19 V DC ... 30 V DC
Residual ripple		+/-5 %
Logic supply U_L		7.5 V (transformed from external 24 V DC)
		Max. 2 A
Logic, segment supply U_{LS}	Tolerance	-25% ... +30%
	Max. [A]	Max. 3 A
Segment supply voltage U_S	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		20 W
Norms and Standards		
Certification		CE/UL/CSA
Weight		
Weight		1.5 kg
Ambient conditions		
Permissible temperature (operation)		+5 °C ... +55 °C
Permissible relative humidity (operation)		5% to 95%, EN 61131-2
Protection category		IP20
Fatigue limits according to EN 60068-2-6		1 g
Shock resistance (single shock) according to EN 60068-2-27		15 g

Dimensions

		L75.1
Dimensions		
Height H	[mm]	120
Width B	[mm]	176
Depth T	[mm]	108

Control hardware

IndraControl L75

Order details

Type code	Description	Material number:
CML75.1-NP-900-NA-NNNN-NW	IndraControl L75, RT Ethernet + PROFIBUS, configurable fieldbus interface	R911173002
CML75.1-3P-900-NA-NNNN-NW	IndraControl L75, Sercos III, configurable fieldbus interface	R911173004
CML75.1-3P-905-NA-NNNN-NW	IndraControl L75, Sercos III, configurable fieldbus interface, 16 MB SRAM	R911174057

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, L75	R911299856
R-IB IL CML S04-PLSET	Connector set for IndraControl L20, L40, L45, L65, L75 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

System

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

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It must be remembered that our products are subject to a natural process of wear and aging.