

Control hardware
IndraControl L40



Control hardware

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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

		L40.2
Processor		
CPU		(AMD-Geode LX800, 500MHz)
Real-time clock		integrated
Memory		
Use / application		64 MB
Remanent memory		128 kB
Buffered		1 MB
Flash size		128 MB
Display		
Type		LCD 1-line
Operation		
Type		4
		Operating keys
Interfaces		
Ethernet		1 x Ethernet TCP/IP (Standard)
Ready		1 x Ready contact (Option)
Serial		1 x RS232 (Standard)
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 (LWL) (Option)
PROFIBUS		1 x PROFIBUS-Master/-Slave (Standard)
Electrical data		
Power supply 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)
Logic, segment supply U_{LS}		Max. 2 A
	Tolerance	-25% ... +30%
Segment supply voltage U_S	Max. [A]	Max. 2.6 A
	Tolerance	-15% ... +20 %
Main supply voltage U_M	Max. [A]	Max. 8 A ($U_m + U_s$)
	[V DC]	24
Power consumption	Tolerance	-15% ... +20 %
	Max. [A]	Max. 8 A ($U_m + U_s$)
		9 W
Protection		
Protection category - overall		IP20
Load		
Vibration resistance		1 g
Shock resistance		15 g
Norms and Standards		
Certification		CE/UL/CSA
Environmental conditions		
Permissible temperature (operation)		+5 °C ... +55 °C
Permissible humidity (operation)		5% to 95%, EN 61131-2
Protection category		IP20
Weight		
Weight		0.76 kg

Dimensions

		L40.2
Dimensions		
Height H	[mm]	120
Width B	[mm]	176
Length T	[mm]	76

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IndraControl L40**Ordering information**

Type code	Description	Material number:
CML40.2-NP-330-NA-NNNN-NW	IndraControl L40	R911170254
CML40.2-SP-330-NA-NNNN-NW	IndraControl L40	R911170255

Accessories

Type code	Description	Material number:
CAL01.1-F1	Fans	R911306144
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

System

Description	Page	Details
PLC	IndraLogic L	Controller-based
Motion logic system	IndraMotion MLC	Controller-based

Accessories**Auxiliary components**

Description		
IndraControl L	CFL function modules	DeviceNet-Master
IndraControl L	CFL function modules	Fast I/O
IndraControl L	CFL function modules	Programmable limit switch
IndraControl L	CFL function modules	PROFIBUS DP-Master
IndraControl L	CFL function modules	Cross communication
IndraControl L	CFL function modules	Sercos III
IndraControl L	CFL function modules	SRAM

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