

Control hardware
IndraControl L25



Control hardware

IndraControl L25

Documentation
• Engineering help



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

		L25
Processor		
CPU		(Renesas SH 7785)
Real-time clock		integrated
Memory		
Use / application		128 MB
Remanent memory		256 kB
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)
Diagnosis		
Type		Powerfail
		Watchdog
		Temperature monitoring
I/O		
Channels, used	Max.	256
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)

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PROFIBUS		1.0 x PROFIBUS DP-Master/Slave (Optional)
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. 2 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		8,7 W
Norms and Standards		
Certification		CE/UL/CSA
Weight		
Weight		0.64 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

Dimensions		
Height H	[mm]	120
Width B	[mm]	175.4
Depth T	[mm]	84.7

System

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

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IndraControl L25**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

Order details

Type code	Description	Material number:
CML25.1-PN-400-NN-NNC1-NW	IndraControl L25, RT Ethernet + PROFIBUS, configurable fieldbus interface	R911172155
CML25.1-3N-400-NN-NNC1-NW	IndraControl L25, Sercos III	R911171363

Accessories

Type code	Description	Material number:
R-IB IL SCN-PWR IN-PWR	Power connector	R911171765
R-IB IL FIELD 2	Labeling field, narrow	R911289341
R-IB IL FIELD 8	Labeling field, wide	R911289342

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