Rexroth
Bosch Group

PLC
IndraLogic L
Controller based

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• Powerful, with extensive functionality and interfaces
• Scalable with the innovative IndraControl L platform
• Centralized and decentralized I/O
• Open interfaces for networking via Ethernet or PROFIBUS
• Easy expansion with function modules (IndraLogic L40)
• easy integration of HMI solutions

The IndraLogic L PLC solutions are based on the scalable IndraControl L control platform. It is available in a uniform and compatible system design for your applications in different performance classes.
Their compact construction with terminal technology and simple DIN rail mounting make them suitable for use in every type of automation environment. The elimination of wearing parts such as batteries and fans permits high reliability and cost savings in a maintenance-free design.
Starting with the IndraLogic L20 control, an integrated display allows convenient diagnostics and parameterization of the control without additional hardware. Eight fast inputs and outputs are integrated in the control at no additional cost.

Technical data

		IndraLogic L10	IndraLogic L20	IndraLogic L40
Control units				
Runtime system	Conforming with IEC 61131-3	●	●	●
Multitasking		●	●	●
Data management	Code, data, remanent data, user data	●	●	●
Storage	Boot project	●	●	●
	PLC project as packed archive file	●	●	●
	User data to the internal memory and a removable storage medium	●	●	●
Support	Function modules			4
Support	System events	●	●	●
User memory	Total: Code, data	4 MB	3 MB	24 MB
Retentive memory	Total: System, user	32 kB	64 kB	128 kB
On-board diagnosis and settings				
Status display (boot, SERCOS, test)	Display / LED	-/●	●/-	●/-
Errors, warnings, messages, system reset	Display, keys / LED	-/●	●/-	●/-
Ethernet settings (IP address)	Display, keys / LED	-/●	●/-	●/-

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Voltage monitoring, watchdog		●	●	●
Relay output ready for operation		●	●	●
Interfaces on board				
PROFIBUS	Master		●	●
	Slave		●	●
EtherNet/IP	Adapter (Slave)	●	●	●
Ethernet TCP/IP		●	●	●
Control grouping	Ethernet TCP/UDP/IP	●	●	●
RS232			●	●
Number		0	0	4
PROFIBUS-Master				○
DeviceNet				○
Fast I/O				○
Options				
HMI				
IndraControl VCP, VCH	Ethernet TCP/IP, OPC	○	○	○
IndraControl VEP, VEH	Ethernet TCP/IP, OPC	○	○	○
IndraControl VSP, VPP, VSB/VDP, VPB/VDP	Ethernet TCP/IP, OPC	○	○	○
Inputs/outputs				
On board				
Fast digital inputs	Interruptible, typ. 50 μs	8	8	8
Fast digital outputs	0,5 A, typ. 500 μs	4	8	8
Locally				
Fast digital inputs (function module FAST I/O)	Interruptible, typ. 40 μs			○
Fast digital outputs (function module FAST I/O)	0,5 A, typ. 70 μs			○
Inline (digital, analog, relais, technology)	32 Byte, max. 256 I/O	○	○	
Inline (digital, analog, relais, technology)	64 Byte, max. 512 E/A			○
Distributed via Inline (IP20)				
PROFIBUS	On board / function module		●/–	
DeviceNet	Functional module			○
Distributed via Fieldline (IP67)				
PROFIBUS	On board / function module		●/–	○
DeviceNet	Functional module			○
Distributed via IndraControl S67				
PROFIBUS	On board / function module		●/–	

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DeviceNet	On board / function module			-/○
Logic-Control				
PLC runtime system				
IndraLogic 1G kernel	Conforming with IEC 61131-3	●	●	●
Program organization	According to IEC 61131-3	●	●	●
Loading and executin-gIEC 61131-3 appli-cations		●	●	●
Motion-control func-tions using PLCopen function blocks			●	●
Task management				
Freely projectable tasks (priority 0-31)	Cyclic, free-running, event-controlled, extern event-con-trolled	8	8	16
Cycle-synchronous processing of the I/O process image		●	●	●
min. PLC cycle time	Synchronous with system cycle	1 ms	1 ms	1 ms
PLC processing time				
Typical processing time for 1,000 instruc-tions/μs	Command mix (Real, Integer, Bool etc.)	150	150	50
	Bool-Operation	150	140	50
	Word-Operation	150	140	30
System functions (choice)				
PID controller		●	●	●
Temperature control-ler		●	●	●
Diagnostic				
Diagnosis(status, warning, error)	Function blocks(Software)	●	●	●
	Locally via display(Control hard-ware)		●	●
	Diagnostics memo-ry(64 kB, max. 999 messages)	●	●	●
Debugging monitor for IEC applications		●	●	●
Engineering and Operation				
IndraWorks		○	○	○
Compatibility with all IndraLogic systems		●	●	●

● Standard
▼ In preparation
○ Option

Components

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Engineering and operating

Description	Page
Engineering and operating	Software tools

Control hardware and interfaces

Description	Page
IndraControl L	IndraControl L10
IndraControl L	IndraControl L20
IndraControl L	IndraControl L40

HMI

Description	Page	Details
HMI	Hand-held operator panel	IndraControl VxH
HMI	compact operator terminals	IndraControl VCP
HMI	Embedded PC	IndraControl VEP
HMI	Keyboards	IndraControl VAK
HMI	Operator PB panels	IndraControl VAM

Industrial PCs

Description	Page	Details
Industrial PCs	Box-PC / Displays	IndraControl VSB, VPB and VDP
Industrial PCs	Displays	IndraControl VDP
Industrial PCs	Panel-PC	IndraControl VSP und VPP
IPC with visualization	Compact PC	IndraControl VPP PC solution for high-end industrial requirements
IPC with visualization	Standard PC	IndraControl VSP cost-effective PC technology for industrial use

I/O

Description	Page	Details
I/O	IP 20	Inline
I/O	IP 67	Fieldline, IndraControl S67

Type code

Type code	Description	Part No.:
FWA-CML10*-IL*-04VRS-D0-0003	Firmware IndraControl L10	R911321638

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Type code	Description	Part No.:
FWA-CML20*-IL*-04VRS-D0-0003	Firmware IndraControl L20	R911319862
FWA-CML402-IL*-04VRS-D0-0024	Firmware IndraControl L40	R911319858

Representante oficial de:

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[Argentina]