| Electric Drives and Controls | Hydraulics | Linear Motion and Assembly Technologies | Pneumatics | Service |

Rexroth
Bosch Group

PLC
IndraLogic XLC

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2   **Bosch Rexroth AG** | Electric Drives and Controls

PLC
IndraLogic XLC

- Cutting-edge control hardware with numerous extension options
- The latest PLC kernel IndraLogic 2G (based on CoDeSys V3)
- High-performance communication via RT Ethernet SERCOS III for all peripherals
- Synchronized motion control functionality
- IndraWorks – The Tool for All Engineering Tasks

The new IndraLogic XLC (eXtended Logic Control) PLC system implements the latest PLC technology to provide substantial advantages for the intelligent automation of production tools and systems.

IndraWorks software offers a full integration of all necessary tools and a noticeable reduction in the engineering process chain. Object-oriented language extensions in programming enhance the quality of user programs through simplified modularization and accelerate the generation of machine variants.

Scaling and open design of the IndraControl device families are the basis for flexible and application-oriented solutions in central or distributed control topologies. The universal, open real-time communications system sercos III is the high-performance, high-functioning backbone among the system peripherals.

Application-oriented task setting of the high-performance Motion-Logic runtime system permit both rapid I/O signal processing and highly dynamic motion control tasks. Consistent system information and transparent diagnoses throughout the system minimize downtimes and provide a tangible increase in productivity for a wide range of applications and processes.
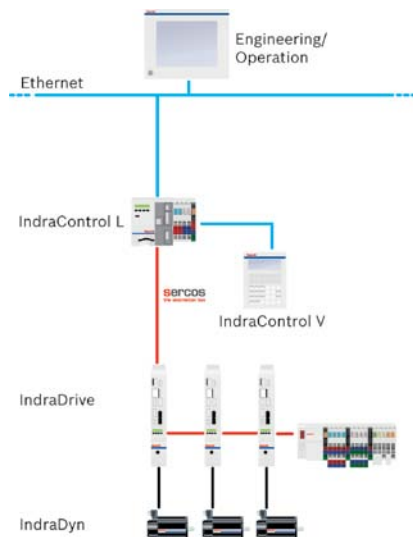
Technical data

		IndraLogic XLC L25	IndraLogic XLC L45	IndraLogic XLC L65
Control units				
Runtime system	Integrated motion logic system	●	●	●
Multitasking		●	●	●
Data management	Code, data, retentive 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	2	4	4
	System events	●	●	●
Probe		●	●	●
User memory	Total: code, data	12 MB	24 MB	36 MB
Retentive memory	Total: system, user	256 kB	256 kB	256 kB
On-board diagnosis and settings				
Status display (boot, sercos, test)	Display	●	●	●

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Errors, warnings, messages, system reset		●	●	●
Ethernet settings (IP address)		●	●	●
Voltage monitoring, watchdog		●	●	●
Relay output ready for operation		●	●	●
IndraMotion Service Tool		○	○	○
Interfaces on board				
sercos III	Automation Bus	○	○	○
PROFIBUS	Master	○	●	●
	Slave	○	●	●
PROFINET IO	Controller (Master)	○	○	○
	Device (Slave)	○	○	○
EtherNet/IP	Scanner (Master)	▼	▼	▼
	Adapter (Slave)	○	○	○
Ethernet TCP/IP		●	●	●
Control grouping	Ethernet TCP/UDP/IP	●	●	●
Function modules				
Number		2	4	4
Realtime-Ethernet/ PROFIBUS		○	○	○
Programmable limit switch		○	○	○
Fast I/O		○	○	○
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				
High-speed digital inputs	Interrupt capability, typ. 50 µs	0	8	8
High-speed digital outputs		0	8	8
Local				
High-speed digital inputs (FAST I/O function module)	Interrupt capability, typ. 40 µs	○	○	○
High-speed digital outputs (FAST I/O function model)	0.5 A, typ. 70 µs	○	○	○
Inline (digital, analog, relais, technology)	64 Byte, max. 512 E/A	○	○	○
Distributed via Inline (IP20)				
sercos III	On-board/function module	○	○	○

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Components

Engineering and operating

Description	Page
Engineering and operating	Software tools

Control hardware and interfaces

Description	Page
Controllers	IndraControl L25
Controllers	IndraControl L45
Controllers	IndraControl L65

HMI

Description	Page	Details
HMI	Hand-held operator panel	IndraControl VxH
HMI	compact operator terminals	IndraControl VCP
HMI	Embedded PC	IndraControl VEP
Industrial PCs	Box-PC / Displays	IndraControl VPB and VDP
Industrial PCs	Panel-PC	IndraControl VPP – PC solution for high-end industrial requirements

I/O

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

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Ordering information

Type code	Description	Part number:
FWA-CML25*-XLC-12VRS-D0	Firmware IndraControl L25	R911334606
FWA-CML45*-XLC-12VRS-D0	Firmware IndraControl L45	R911334608
FWA-CML65*-XLC-12VRS-D0	Firmware IndraControl L65	R911334610

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The data specified above only serve to describe the product.
As our products are constantly being further developed, no
statements concerning a certain condition or suitability for a certain
application can be derived from our information. The information
given does not release the user from the obligation of own judgment
and verification.
It must be remembered that our products are subject to a natural
process of wear and aging.