

LioN-Power Distributed Control Unit - LDmicro (Ladder Logic)

Product Description	
Туре	0980 ESL 393-121-DCU1
	NEW!
	PROFIT
	EtherNet/IP EtherCAT LDmicro
Description	LioN-P Distributed Control Unit, LDmicro Programmable (Ladder), Multi-protocol (PROFINET, EtherNet/IP or EtherCAT device), 8 digital input and
	8 digital output channels with galvanic isolation, M12 LAN connection, 4-poles, D-coded, M12 L-coded power supply, 5-poles
Order No.	934879005
Technical Data	
Protection Degree	IP65, IP67, IP69K (only if mounted and locked in combination with Hirschmann/Lumberg connector)
Ambient Temperature (Operation)	-20 °C to +70 °C
Dimensions (W x H x D)	59.6 x 30.7 x 200 (mm)
Weight Housing Material	500 g Metal, Zinc Die-cast
Control System	wetat, Line Die-east
Programming Tool	Ldmicro: Ladder programming tool (LAD)
Programming Language	LAD: Ladder Logic
Program Deployment	via Webserver
Realtime Clock	No
Performance	min. 10 ms
Program Memory	max. 99 Rungs/max. 99 Bit Variables/max. 99 Integer Variables
Flash Memory	16 MB
Persistent Memory	No
Processor	200 MHz RISC CPU
Operation Modes	Standalone, Slave/Device, Mixed
Communication Interfaces	Eternet/TCP
Webserver	Integrated
Bus System	
Protocol	PROFINET /EtherNet/IP/EtherCAT I/O Device
Connection Transmission Rate	M12 LAN connection, 4-poles, D-coded Fast Ethernet (10/100 Mbit/s), Full Duplex
Rotary Address Switches	Yes, 3x
Power Supply	166, 01
Nominal Voltage	24 V DC (SELV/PELV)
Nominal Voltage Range	18 to 30 V DC
Connection	M12, L-coded, 5-poles
Current Carrying Capacity of Connector	16 A
Current Consumption (typ.)	160 mA (+/-20% at 24 V DC)
On-Board Input Channels	
Number of Channels	8
Connection	M12, 5-poles, A-coded
Channel Type	Type 3 acc. to IEC 61131-2
Nominal Voltage	24 V DC via US (system power supply)
Sensor Current Supply	200 mA per Port
Sensor Type	PNP
On-Board Output Channels	
Number of Channels	8
Connection	M12, 5-poles, A-coded
Channel Type Nominal Voltage	p-switching 24 V DC via Haux (actuator power cumply)
Nominal Voltage Output Current per Channel	24 V DC via Uaux (actuator power supply) max. 2 A
Output Current per Chamler Output Current per Module	max. 9 A
Protective Circuit	Electronicaly: Overload protection, short-circuit protection
Galvanically Isolated	Yes
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Diagnostic Indication | 0980 ESL 393-121-DCU1

18 DIA A Red Periphery error 18 DIA A Red Periphery error 18 DIA B Red Periphery error 18 DIA B Red Periphery error P1 Lnk/Act Green Green blinking Off No device exchanging data No connection to an Ethernet device (P2 Lnk/Act Green Green blinking Off No device exchanging data No connection to an Ethernet device (P3 device exchanging data No connection to another device (P4 device exchanging data No connection to another device (P5 device exchanging data No connection to another device (P5 device exchanging data No connection to another device (P5 device exchanging data No connection to another device (P5 device exchanging data No connection to another device (P5 device exchanging data No connection to another device (P5 device exchanging data (P5 device exchanging data No connection to another device (P5 device exchanging data (P5 device exchanging	LED	Indicator	Condition
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	Us		
	UL		



Pin Assignment

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M12 I/O Port, A-coded	M12 Power Supply, L-coded	M12 LAN Connection, D-coded
3 0 4 1 = +24 V 2 = IN B 3 = GND (0 V) 4 = IN A 5 = FE	1 1 = +24 V 2 = GND UL 3 = GND (0 V) 4 3 4 = +24 V UL 5 = FE	3 4 1 = TD+ 2 = RD+ 3 = TD- 2 1 4 = RD-

Data Sheet: 0980 ESL 393-121-DCU1



LioN-Power Distributed Control Unit - LDmicro (Ladder Logic)

Technical Drawing

0980 ESL 393-121-DCU1



