

LE5109L 24

/16

CPU

CPU			
I O	24	24VDC	16
Max.	7		
	1		
	LD/ST/CFC/SFC		
	128K		
	10496		
	2K		
	USB		
Max.	2	5KHz	
	1	20KHz	4
	2		
	2		
	' %		
	24		16
	24VDC		24VDC



PLC

PLC

RUN/STOP		
	RUN	RUN STOP
	STOP	STOP
	RUN/STOP	STOP



- PLC PLC
- AutoThink V3.1.0
- AutoThink



- (1)
- (2) PLC
- (3) PLC
- (4)
- (5)

**LE5109L 24 DI / 16 DO CPU Module**

 > **Technical Specifications**

CPU Specifications		Power Supply Specifications		
On-board I/O	24 DI / 16 DO	Input	Rated voltage	100~240VAC
I/O expansion module (max.)	7 (total modules power)		Permissible range	85~264VAC 50/60Hz
Number of expansion board	1		Current consumption (max.)	500mA
Programming language	LD/ST/CFC/SFC	External output voltage	Rated voltage	Not supported
Program memory	128K bytes		Permissible range	Not supported
Data memory	10496 bytes	External output current (max.)	+24VDC (supply for expansion bus)	400mA
Power-loss retentive memory	2K bytes		+5VDC (supply for expansion bus)	1000mA
Memory card	Memory card with USB interface	Hold up time (loss of power)		10ms
		Communication Specifications		
HSC	2 HSC at 5KHz for single phase	Communication interface	2 RS485	
	1 HSC at 20KHz for A/B phase	Interface type	PS/2, pluggable terminals	
Pulse catch	2	Baud rates (bps)	1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200	
Fast external interruption	2		Communication protocol	Proprietary protocol, Modbus master-slave, free port communication protocol, multi-PLC interconnection (only for terminal connecting)
Frequency measurement	Not supported			
Basic instruction processing time	' %			
Input Specifications		Output Specifications		
Number of inputs	24	Number of outputs	16	
Input type	Sink/source	Output type	Relay	
Rated voltage	24VDC	Rated voltage	24VDC or 24 230VAC	
Permissible range	0 30VDC	Permissible range	5 30VDC or 5 250VAC	
Logic 1 signal	15~30VDC, permissible min. current 4mA	Output current	2A (resistance load)	
Logic 0 signal	0~5VDC, permissible max. 1mA	Rated current per common (max.)	8A	
Filtering parameter	No filtering, 5ms, 10ms, 20ms, 50ms, 100ms	ON state resistance	' % %	
Isolation mode	Optocoupler (field side to system)	Switching frequency (max.)	1Hz	
Isolation groups	1	Lifetime mechanical	No load: up to 10,000,000 open/close cycles	
Isolation withstand voltage	500VAC for 1minute, leakage current <5mA		Rated resistance 2A load: up to 100,000 open/close cycles	
Physical Specifications		Isolation mode	Relay isolation (field side to system)	
Dimensions W x H x D (mm)	147x97x90	Isolation groups	4	
Weight	700g	Isolation withstand voltage	1500VAC for 1minute, leakage current <5mA	
Operating temperature	0 60			
Storage temperature	-40 70			
Relative humidity	5%~95% (non-condensing)			

 > **Definition of Indicators**

[Redacted]

> Software Configuration

are constrained each other.

RUN/STOP selective switch position	Status of programming software	Module status
Run (Switch to upper position)	RUN	RUN: automatically changed into STOP if users download program in this status.
	STOP	STOP