

LE5109L 24

/16

CPU

CPU			
I O	24	24VDC	16
Max.	7		
	1		
	LD/ST/CFC/SFC		
	128K		
	10496	Max.	+24VDC 400mA
	2K		+5VDC 1000mA
	USB		10ms
Max.	2	5KHz	2 RS485
	1	20KHz 4	RS485
	2		1200 2400 4800 9600 19200 38400 57600 115200
	2		
	' %		Modbus
	24		16
	24VDC		24VDC 24 230VAC
	0 30VDC		5 30VDC 5 250VAC
1	15 30VDC	3mA	2A
0	0 5VDC	1mA	8A
	5ms 10ms 20ms 50ms 100ms		' %
		Max.	1Hz
	1		10,000,000
	500VAC	1min	5mA
			2A 100,000
x x	147mmx97mmx90mm		
	700g		4
	0 60		
	-40 70		1500VAC 1min <5mA
	5% 95%		

5R6

PWR			

lx.y,Qm.n



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			
Frequency measurement	Not supported	Communication protocol	Proprietary protocol, Modbus master-slave, free port communication protocol, multi-PLC interconnection (only for terminal connecting)	
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,	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				
Dimensions W x H x D (mm)	147x97x90	Isolation mode	Relay isolation (field side to system)	
Weight	700g	Isolation groups	4	
Operating temperature	0 60	Isolation withstand voltage	1500VAC for 1minute, leakage current <5mA	
Storage temperature	-40 70			
Relative humidity	5%~95% (non-condensing)			

 > **Definition of Indicators**

[Redacted content]

> 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