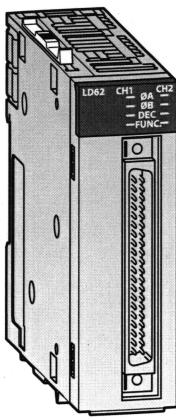


High-Speed Counter Modules



Fast signal counting

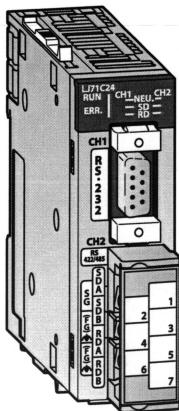
The counter modules detect high-frequency signals, which cannot be handled by normal input modules.

- Periodic pulse counter function
- High-speed pulse measurement of up to 500 k pulses/s (LD62D)
- Linear and latch counter

- Ring counter function for counting up to a predefined value with automatic resetting to the start value
- Coincidence output function
- Easy configuration of the modules with GX Works2

Specifications	LD62	LD62D
Counter inputs (channels)	2	2
Count input phase signal	1-phase input (multiple of 1/2), CW/CCW, 2-phase input (multiple of 1/2/4)	EIA standard RS422A differential type line driver
Max. counting frequency kHz	200	500
Counting range	32 bits + sign (binary), -2147483648 – +2147483647	32 bits + sign (binary), -2147483648 – +2147483647
Max. counting speed kHz	200, 100 or 10	500, 200, 100 or 10
Counting functions	UP/DOWN preset counter and ring counter	
Connection terminal	40-pin connector	40-pin connector
Number of occupied I/O points	16	16
Internal current consumption mA	310	360
Dimensions (WxHxD) mm	28.5x90x95	28.5x90x95
Order information	Art. no. 238097	238098

Interface Modules



Data exchange with peripheral devices

These modules enable communication with peripheral devices via a standard serial interface.

The LJ71C24 provides one RS232 and one RS422/485 interface and the LJ71C24-R2 provides two RS232 interfaces.

- Maximum transmission speed of 230.4 kbps
- Quick connection using pre-defined protocols included in GX Works2
- Easy to define custom protocols
- Enhanced debugging and support functions

Specifications	LJ71C24	LJ71C24-R2
Interface type	channel 1 RS-232-compliance (D-Sub 9P female)	RS-232-compliance (D-Sub 9P female)
	channel 2 RS-422/485-compliance (2-piece terminal block)	RS-232-compliance (D-Sub 9P female)
Communications mode	Full duplex/half duplex	
Synchronisation	Start-stop synchronization method	
Data transfer rate	50–230400 (channel 1 only) 115200 (channel 1+2 simultaneously)	
distance m	RS232: 15; RS422/485: 1200	15
Max. no. of stations in a multidrop network	No restrictions/64	No restrictions/64
Data format	1 start bit, 7 or 8 data bits, 1 or 0 parity bits, 1 or 2 stop bits	
Error detection	Parity check, checksum	
DTR/DSR and RS/CD control	RS232 enabled, RS422/485 disabled	
CD signal control	RS232 enabled, RS422/485 disabled	
X ON/X OFF (DC1/DC3), DC2/DC4	RS232 enabled, RS422/485 enabled	
Number of occupied I/O points	32	32
Internal current consumption mA	390	260
Dimensions (WxHxD) mm	28.5x90x95	28.5x90x95
Order information	Art. no. 238093	238094