



### General Information

Discrete I/O modules are available in a number of voltages, densities, terminal block, and connector types. Connector-style high-density I/O modules with 32 or 64 discrete I/O points per module have solder connectors included with the module.

Optional wiring methods are available using Omron's I/O blocks, screw terminal, crimp and ribbon connectors, and pre-terminated cables. These versatile high-density configuration options minimize rack space and wiring time. The Omron I/O Blocks provide single-point isolation and up to 5 A current capacity per point. Replaceable relays and solid-state plug-in modules allow easy maintenance.

There are five styles of discrete I/O modules in the C200H family. The profiles of each are shown here. Each module in the following pages is cross-referenced to the module style.

Modules include the appropriate connectors. Replacement connectors and terminal blocks for each style are shown here.

Style	Replacement Connector/Terminal
A	4571022-4, PTC-2103
B	4571023-2, PTC-219
C,D	C500-CE401 Solder, 40-pin C500-CE402 Crimp, 40-pin C500-CE403 Ribbon, 40-pin C500-CE404 Solder, right angle C500-CE405 Crimp, right angle
E	C500-CE241 Solder, 24-pin C500-CE242 Crimp, 24 pin C500-CE243 Ribbon, 24 pin

### I/O Module Accessories

Name	Description	Part number
I/O Terminal BLock Cover	For 10 pin I/O Terminal Blocks	C200H-COV02
	For 19 pin I/O Terminal Blocks	C200H-COV03
	For 5- and 8- point Modules	C200H-COV11
Connector	24-pin, solder type, straight	C500-CE241
	24-pin, crimp type	C500-CE242
	24-pin, for ribbon cable	C500-CE243
	24-pin, solder type, 90° angle	C500-CE244
	40-pin, solder type, straight	C500-CE401
	40-pin, crimp type	C500-CE402
	40-pin, for ribbon cable	C500-CE403
	40-pin, solder type, 90° angle	C500-CE404
	RS-232C, 25 pins	0020756-4, RS-232 connector
	RS-422, 9 pins	0020757-2, RS-422 connector
Connector Cover	RS-232C, 25 pins	0020758-0, RS-232 cover
	RS-422, 9 pins	0020759-9, RS-422 cover

### XW2B Screw Terminals

Description	Screw size	Part number
<b>Blocks for 32-point I/O Modules</b>		
20 terminals	M2.4	XW2B-20G4
20 terminals	M3.5	XW2B-20G5
40 terminals (2 connectors)	M3.5	XW2B-40G5-T
20 terminals (daisy chain applications)	M3.5	XW2B-20G5-D
<b>Blocks for 64-point I/O Modules</b>		
40 terminals	M2.4	XW2B-40G4
40 terminals	M3.5	XW2B-40G5

### Connecting Cables for XW2B Screw Terminals

Description	Length	Part number
For 32-point blocks	1 m (3.28 ft.)	XW2Z-100A
	2 m (6.56 ft.)	XW2Z-200A
	3 m (9.84 ft.)	XW2Z-300A
	5 m (16.4 ft.)	XW2Z-500A
For 64-point blocks	1 m (3.28 ft.)	XW2Z-100B
	2 m (6.56 ft.)	XW2Z-200B
	3 m (9.84 ft.)	XW2Z-300B
	5 m (16.4 ft.)	XW2Z-500B

### Output Connectors, Input Blocks

#### B7A Output Connectors

Rated load voltage	Rated load current	Output configuration	I/O delay	Error processing	Points	Part number
5 to 24 VDC	50 mA max./point	NPN open collector	Normal-speed 19.2 ms	Hold	16	B7A-R6A13
5 to 24 VDC	50 mA max./point	NPN open collector	Normal-speed 19.2 ms	Load OFF	16	B7A-R6A33
5 to 24 VDC	50 mA max./point	NPN open collector	High-speed 3 ms	Hold	16	B7A-R6A18
5 to 24 VDC	50 mA max./point	NPN open collector	High-speed 3 ms	Load OFF	16	B7A-R6A38
5 to 24 VDC	50 mA max./point	NPN open collector	Normal-speed 19.2 ms	Hold	32	B7A-R3A13
5 to 24 VDC	50 mA max./point	NPN open collector	Normal-speed 19.2 ms	Load OFF	32	B7A-R3A33
5 to 24 VDC	50 mA max./point	NPN open collector	High-speed 3 ms	Hold	32	B7A-R3A18
5 to 24 VDC	50 mA max./point	NPN open collector	High-speed 3 ms	Load OFF	32	B7A-R3A38