

# Ordering Information

## International Standards

The indicated standards are those current for UL, CSA, cULus, NK and Lloyds standards and EC directives as of September 2004.

Abbreviations used:

U = UL, U1 = UL Class I Div.2 for hazardous locations, C = CSA, UC = cULus, UC1 = cULus Class I Div.2 for hazardous locations

CU = cUL, N = NK (Nippon Kaiji Kyokai), L = Lloyd's Register, CE = EC Directives. Please contact OMRON representative for application conditions.

## CPU Rack

Name	Specifications			Model	Standards
	I/O bits	Program capacity	Data memory capacity		
CPU Units (See note.)	5,120	250 kSteps	448 kWords (DM: 32 kWords, EM: 32 kWords × 13 banks)	CS1H-CPU67H	UC1, N, L, CE
	5,120	120 kSteps	256 kWords (DM: 32 kWords, EM: 32 kWords × 7 banks)	CS1H-CPU66H	
	5,120	60 kSteps	128 kWords (DM: 32 kWords, EM: 32 kWords × 3 banks)	CS1H-CPU65H	
	5,120	30 kSteps	64 kWords (DM: 32 kWords, EM: 32 kWords × 1 bank)	CS1H-CPU64H	
	5,120	20 kSteps	64 kWords (DM: 32 kWords, EM: 32 kWords × 1 bank)	CS1H-CPU63H	
	5,120	60 kSteps	128 kWords (DM: 32 kWords, EM: 32 kWords × 3 banks)	CS1G-CPU45H	
	1,280	30 kSteps	64 kWords (DM: 32 kWords, EM: 32 kWords × 1 bank)	CS1G-CPU44H	
	960	20 kSteps	64 kWords (DM: 32 kWords, EM: 32 kWords × 1 bank)	CS1G-CPU43H	
	960	10 kSteps	64 kWords (DM: 32 kWords, EM: 32 kWords × 1 bank)	CS1G-CPU42H	
CPU Backplanes (for CS1 Units only)	2 slots (Does not connect to Expansion Rack.)			CS1W-BC022	U, C, N, L, CE
	3 slots			CS1W-BC032	
	5 slots			CS1W-BC052	
	8 slots			CS1W-BC082	
	10 slots			CS1W-BC102	
CPU Backplanes (for CS1- and C200H I/O Units)	2 slots (Does not connect to Expansion Rack.)			CS1W-BC023	U, C, N, L, CE
	3 slots			CS1W-BC033	
	5 slots			CS1W-BC053	
	8 slots			CS1W-BC083	
	10 slots			CS1W-BC103	
Power Supply Units	100 to 120 V AC or 200 to 240 V AC; Output capacity: 4.6 A, 5 V DC			C200HW-PA204	U, C, N, L, CE
	100 to 120 V AC or 200 to 240 V AC (with 0.8 A, 24 V DC service power supply) Output capacity: 4.6 A, 5 V DC			C200HW-PA204S	
	100 to 120 V AC or 200 to 240 V AC (with RUN output) Output capacity: 4.6 A, 5 V DC			C200HW-PA204R	
	100 to 120 V AC or 200 to 240 V AC (with RUN output) Output capacity: 9 A, 5 V DC			C200HW-PA209R	
	24 V DC, Output capacity: 4.6 A, 5 V DC			C200HW-PD024	
	100 V DC, Output capacity: 6 A, 5 V DC			C200HW-PD106R	
I/O Control Unit	For Expansion Racks connected over a distance of more than 12 m (2 terminating resistors included. C200H Units cannot be used on Long-distance Expansion Racks.)			CS1W-IC102	U, C, CE
Memory Cards	Flash memory, 30 MB			HMC-EF372	L, CE
	Flash memory, 64 MB			HMC-EF672	
	Memory Card Adapter (for computer PCMCIA slot)			HMC-AP001	
Serial Communications Boards	2 × RS-232C ports, protocol macro function			CS1W-SCB21-V1	U, C, N, L, CE
	1 × RS-232C port + 1 × RS-422/485 port, protocol macro function			CS1W-SCB41-V1	
Programming Consoles	An English Keyboard Sheet (CS1W-KS001-E) is required. (Connects to peripheral port on CPU Unit only. Cannot be connected to RS-232C port.)			CQM1-PRO01-E	U, C, CE
				C200H-PRO27-E	
Programming Console Key Sheet	For C200H-PRO27 and CQM1H-PRO01			CS1W-KS001-E	CE
Programming Console Connecting Cables	Connects the C200H-PRO27-E Programming Console. (Length: 2.0 m)			CS1W-CN224	
	Connects the C200H-PRO27-E Programming Console. (Length: 6.0 m)			CS1W-CN624	
CX-One	Omron's integrated software for programming and configuration of all control system components, including PLCs, HMI, drives, temperature controllers and advanced sensors.			CX-ONE-AL□□C-E <sup>*1</sup>	---
Peripheral Device Connecting Cables (for peripheral port)	Connects personal computers, D-Sub 9-pin receptacle (Length: 0.1 m) (Conversion cable to connect RS-232C cable to peripheral port)			CS1W-CN118	CE
	Peripheral bus or Host Link	Connects personal computers, D-Sub 9-pin (Length: 2.0 m)		CS1W-CN226	
		Connects personal computers, D-Sub 9-pin (Length: 6.0 m)		CS1W-CN626	
Peripheral Device Connecting Cables (for RS-232C port)	Peripheral bus or Host Link, antistatic	Connects personal computers, D-Sub 9-pin (Length: 2.0 m)		XW2Z-200S-CV	---
		Connects personal computers, D-sub 9-pin (Length: 5.0 m)		XW2Z-500S-CV	
	Host Link	Connects personal computers, D-Sub 9-pin (Length: 2.0 m)		XW2Z-200S-V	
		Connects personal computers, D-Sub 9-pin (Length: 5.0 m)		XW2Z-500S-V	
USB-Serial Conversion Cable	Converts between USB and RS-232C, cable length: 0.5 m PC driver provided on CD-ROM. Refer to <i>Using a USB-Serial Conversion Cable to Connect to a Peripheral or RS-232C Port</i> on page 291 for specifications.			CS1W-CIF31	---
Battery Set	For CS1 Series only. (Install a replacement battery within 2 years of the production date.)			CS1W-BAT01	L, CE

\*1 □□ = Number of licences; 01, 03, 10

**Note:** When using a CS1W-CN313 or CS1W-CN713 I/O Connecting Cable with a CS1□-CPU□□H CPU Unit, use only Cables produced on or after September 20, 2001 (production number 2091). Cables with no production number, a 6-digit production number, or produced before September 20, 2001, cannot be used.

**SYSMAC CS1D Duplex System**

Name	Specifications			Model	Standards
Duplex CPU Units	I/O capacity 5,120 points	Program capacity 60 Ksteps	Data memory capacity 128 Kwords (DM: 32 Kwords, EM: 32 Kwords x 3 banks)	---	UC1, N, L, CE
		250 Ksteps	448 Kwords (DM: 32 Kwords, EM: 32 Kwords x 13 banks)	CS1D-CPU65H CS1D-CPU67H	
Duplex process control CPUs (include LCB05 option board for duplex system)	5,120 points	60 Ksteps	128 Kwords (DM: 32 Kwords, EM: 32 Kwords x 3 banks)	CS1D-CPU65P CS1D-CPU67P	UC1, CE
Single CPU Units supporting online I/O unit replacement	5120	250 kSteps	448 kWords (DM: 32 kWords, EM 32 kWords x 13 banks)	CS1D-CPU67S	UC1, N, L, CE
	5120	60 kSteps	128 kWords (DM: 32 kWords, EM 32 kWords x 3 banks)	CS1D-CPU65S	
	1280	30 kSteps	64 kWords (DM: 32 kWords, EM 32 kWords x 1 bank)	CS1D-CPU44S	
	960	10 kSteps	64 kWords (DM: 32 kWords, EM 32 kWords x 1 bank)	CS1D-CPU42S	
Duplex Unit	---			CS1D-DPL01	UC1, N, L, CE
CS1D Power Supply Units	100 to 120 VAC or 200 to 240 VAC, 50/60 Hz (with RUN output) Output capacity: 7 A, 5 VDC; 1.3 A, 26 VDC, 35 W total max.			CS1D-PA207R	
	24 VDC, Output capacity: 4.3 A, 5 VDC; 0.56 A, 26 VDC, 28 W total max.			CS1D-PD024	
Duplex CPU Backplane	5 slots, supports dual CPUs and duplex unit, dual power supplies and on-line Unit replacement			CS1D-BC052	
Single CPU backplane	8 slots (supports dual power supply and on-line Unit replacement)			CS1D-BC082S	
Expansion Backplane	9 slots (Used both for CS1D Expansion Racks and CS1D Long-distance Expansion Racks.)			CS1D-BI092	
Controller Link Units	Optical ring type with H-PCF cable			CS1D-CLK12-V1	
	Optical ring type with GI cable			CS1D-CLK52-V1	
CX-One	Omron's integrated software for programming and configuration of all control system components, including PLCs, HMI, drives, temperature controllers and advanced sensors.			CX-ONE-AL□□C-E <sup>*1</sup>	---
Optical Fiber Cable	H-PCF cable for for interconnection between Duplex Controller Link Units, cable length: 50 cm			CS1D-CN051	---

\*1 □□ = Number of licences; 01, 03, 10

Expansion Racks

Name	Specifications	Model	Standards	
CS1 Expansion Backplanes (for CS1 Units only)	3 slots	CS1W-BI032	U, C, N, L, CE	
	5 slots	CS1W-BI052		
	8 slots	CS1W-BI082		
	10 slots	CS1W-BI102		
CS1 Expansion Backplanes (for CS1 and C200H I/O Units)	3 slots	CS1W-BI033	U, C, N, L, CE	
	5 slots	CS1W-BI053		
	8 slots	CS1W-BI083		
	10 slots	CS1W-BI103		
C200H Expansion I/O Backplanes	3 slots	C200HW-BI031	U, C, N, L, CE	
	5 slots	C200HW-BI051		
	8 slots	C200HW-BI081-V1		
	10 slots	C200HW-BI101-V1		
Power Supply Units	100 to 120 V AC or 200 to 240 V AC, Output capacity: 4.6 A, 5 V DC	C200HW-PA204	U, C	
	100 to 120 V AC or 200 to 240 V AC (with service supply: 0.8 A, 24 V DC), Output capacity: 4.6 A, 5 V DC	C200HW-PA204S		
	100 to 120 V AC or 200 to 240 V AC (with RUN output) Output capacity: 4.6 A, 5 V DC	C200HW-PA204R		
	100 to 120 V AC or 200 to 240 V AC (with RUN output) Output capacity: 9 A, 5 V DC	C200HW-PA209R		
	24 V DC, Output capacity: 4.6 A, 5 V DC	C200HW-PD024		
	100 V DC, Output capacity: 6 A, 5 V DC	C200HW-PD106R		
I/O Interface Unit	For Expansion Racks connected over a distance of more than 12 m. (C200H Units cannot be used on Long-distance Expansion Racks.)	CS1W-II102	U, C, N, L, CE	
CS1 I/O Connecting Cables	Connects CS1 Expansion I/O Backplanes to CPU Backplanes or other CS1 Expansion I/O Backplanes.	Length: 0.3 m	CS1W-CN313	N, L, CE
		Length: 0.7 m	CS1W-CN713	
		Length: 2 m	CS1W-CN223	
		Length: 3 m	CS1W-CN323	
		Length: 5 m	CS1W-CN523	
		Length: 10 m	CS1W-CN133	
		Length: 12 m	CS1W-CN133-B2	
Long-distance Expansion Rack Cables	Connect I/O Control Unit to I/O Interface Unit or connects two I/O Interface Units	Length: 0.3 m	CV500-CN312	N, L, CE
		Length: 0.6 m	CV500-CN612	N, L, CE
		Length: 1 m	CV500-CN122	
		Length: 2 m	CV500-CN222	N, CE
		Length: 3 m	CV500-CN322	N, CE
		Length: 5 m	CV500-CN522	N, CE
		Length: 10 m	CV500-CN132	N, L, CE
		Length: 20 m	CV500-CN232	N, CE
		Length: 30 m	CV500-CN332	N, L, CE
		Length: 40 m	CV500-CN432	N, CE
CS1 to C200H I/O Connecting Cables	Connects C200H Expansion I/O Backplanes to CPU Backplanes or CS1 Expansion I/O Backplanes.	Length: 0.3 m	CS1W-CN311	N, L, CE
		Length: 0.7 m	CS1W-CN711	
		Length: 2 m	CS1W-CN221	
		Length: 3 m	CS1W-CN321	
		Length: 5 m	CS1W-CN521	
		Length: 10 m	CS1W-CN131	
C200H I/O Connecting Cables	Connects C200H Expansion I/O Backplanes to other C200H Expansion I/O Backplanes.	Length: 0.3 m	C200H-CN311	N, L, CE
		Length: 0.7 m	C200H-CN711	
		Length: 2 m	C200H-CN221	
		Length: 5 m	C200H-CN521	
		Length: 10 m	C200H-CN131	

**I/O Units**

**CS1 Basic I/O Units**

Classification	Name	Specifications	Mountable Racks					Words allocated (CIO 0000 to CIO 0319)	Model	Standards
			CPU Rack	C200H Expansion I/O Racks	CS1 Expansion Racks	CS1 Long-distance Racks	SYSMAC BUS Slave Racks			
CS1 Input Units	DC Input Units	24 VDC, 16 inputs, 7 mA	Yes	No	Yes	Yes	No	1	CS1W-ID211	UC1, N, L, CE
		24 VDC, 32 inputs, 6 mA	Yes	No	Yes	Yes	No	2	CS1W-ID231	
		24 VDC, 64 inputs, 6 mA	Yes	No	Yes	Yes	No	4	CS1W-ID261	
		24 VDC, 96 inputs, approx. 5 mA	Yes	No	Yes	Yes	No	6	CS1W-ID291	U, C, N, L, CE
	AC Input Units	100 to 120 VAC, 100 to 120 VDC, 16 inputs	Yes	No	Yes	Yes	No	1	CS1W-IA111	UC1, N, L, CE
		200 to 240 VAC, 16 inputs	Yes	No	Yes	Yes	No	1	CS1W-IA211	UC, N, L, CE
	Interrupt Input Unit	24 VDC, 16 inputs, 7 mA	Yes	No	Yes (See note.)	Yes (See note.)	No	1	CS1W-INT01	UC1, N, L, CE
High-speed Input Unit	24 VDC, 16 inputs, 7 mA	Yes	No	Yes	Yes	No	1	CS1W-IDP01		
Safety Relay Unit	24 VDC, 2 channels with 4 inputs each, 4 pts/common	Yes	No	Yes	Yes	No	1	CS1W-SF200	U, C, CE	
CS1 Output Units	Relay Output Units	250 VAC or 120 VDC, independent contacts, 8 outputs, 2 A	Yes	No	Yes	Yes	No	1	CS1W-OC201	UC1, N, L, CE
		250 VAC or 120 VDC, 16 outputs, 2 A	Yes	No	Yes	Yes	No	1	CS1W-OC211	
	Transistor Output Units	12 to 24 VDC, 0.5A, 16 sinking outputs	Yes	No	Yes	Yes	No	1	CS1W-OD211	
		24 VDC, 0.5A, 16 sourcing outputs	Yes	No	Yes	Yes	No	1	CS1W-OD212	
		12 to 24 VDC, 0.5A, 32 sinking outputs	Yes	No	Yes	Yes	No	2	CS1W-OD231	
		24 VDC, 0.5A, 32 sourcing outputs	Yes	No	Yes	Yes	No	2	CS1W-OD232	
		12 to 24 VDC, 0.3A, 64 sinking outputs	Yes	No	Yes	Yes	No	4	CS1W-OD261	
		24 VDC, 0.3A, 64 sourcing outputs	Yes	No	Yes	Yes	No	4	CS1W-OD262	
		12 to 24 VDC, 0.1A, 96 sinking outputs	Yes	No	Yes	Yes	No	6	CS1W-OD291	
	12 to 24 VDC, 0.1A, 96 sourcing outputs	Yes	No	Yes	Yes	No	6	CS1W-OD292		
	Triac Output Units	250 VAC, 1.2 A, 8 outputs	Yes	No	Yes	Yes	No	1	CS1W-OA201	UC, N, L, CE
250 VAC, 0.5 A, 16 outputs		Yes	No	Yes	Yes	No	1	CS1W-OA211		
CS1 I/O Units	DC Input/Transistor Output Units	24 VDC, 6 mA, 32 inputs, 12 to 24 VDC, 0.3 A, 32 sinking outputs	Yes	No	Yes	Yes	No	Inputs: 2 Outputs: 2	CS1W-MD261	UC1, N, L, CE
		24 VDC, 6 mA, 32 inputs, 24 VDC, 0.3 A, 32 sourcing outputs	Yes	No	Yes	Yes	No	Inputs: 2 Outputs: 2	CS1W-MD262	U, C, N, L, CE
		24 VDC, approx. 5 A, 48 inputs, 12 to 24 VDC, 0.1 A, 48 outputs, sinking inputs/outputs	Yes	No	Yes	Yes	No	Inputs: 3 Outputs: 3	CS1W-MD291	
		24 VDC, approx. 5 A, 48 inputs, 12 to 24 VDC, 0.1 A, 48 outputs, sourcing inputs/outputs	Yes	No	Yes	Yes	No	Inputs: 3 Outputs: 3	CS1W-MD292	
	TTL I/O Unit	5 VDC, 32 inputs, 32 outputs	Yes	No	Yes	Yes	No	Inputs: 2 Outputs: 2	CS1W-MD561	UC, N, L, CE

**Note:** Interrupt inputs are not supported on these Racks (i.e., used as normal I/O Unit).

C200H Basic I/O Units

Classification	Name	Specifications	Mountable Racks					Words allocated (CIO 0000 to CIO 0319)	Model	Standards	
			CPU Rack	C200H Expansion I/O Racks	CS1 Expansion Racks	CS1 Long-distance Racks	SYSMAC BUS Slave Racks				
C200H Input Units (See note 1.)	DC Input Units	12 to 24 VDC, 8 inputs	Yes	Yes	Yes	No	Yes	1	C200H-ID211	U, C, N, L, CE	
		24 VDC, 16 inputs	Yes	Yes	Yes	No	Yes	1	C200H-ID212		
	AC Input Units	100 to 120VAC, 8 inputs	Yes	Yes	Yes	No	Yes	1	C200H-IA121	U, C, N, L	
		100 to 120VAC, 16 inputs	Yes	Yes	Yes	No	Yes	1	C200H-IA122		
		100 to 120VAC, 16 inputs	Yes	Yes	Yes	No	Yes	1	C200H-IA122V		CE
		200 to 240VAC, 8 inputs	Yes	Yes	Yes	No	Yes	1	C200H-IA221		U, C, N, L
		200 to 240VAC, 16 inputs	Yes	Yes	Yes	No	Yes	1	C200H-IA222		
		200 to 240VAC, 16 inputs	Yes	Yes	Yes	No	Yes	1	C200H-IA222V		CE
	AC/DC Input Units	12 to 24 VAC/VDC, 8 inputs	Yes	Yes	Yes	No	Yes	1	C200H-IM211	U, C, N, L, CE	
		24 VAC/VDC, 16 inputs	Yes	Yes	Yes	No	Yes	1	C200H-IM212		
		Interrupt Input Unit	12 to 24 VDC, 8 inputs	Yes	Yes (See note 2.)	Yes (See note 2.)	No (See note 2.)	No	1	C200HS-INT01	
C200H Output Units (See note 1.)	Relay Bit Output Units	250 VAC/24VDC, 2 A, 8 outputs max.	Yes	Yes	Yes	No	Yes	1	C200H-OC221	U, C, N	
		250 VAC/24VDC, 2 A, 12 outputs max.	Yes	Yes	Yes	No	Yes	1	C200H-OC222		
		250 VAC/24VDC, 2 A, 12 outputs max.	Yes	Yes	Yes	No	Yes	1	C200H-OC222N	CE	
		250 VAC/24VDC, 2 A, 16 outputs max.	Yes	Yes	Yes	No	Yes	1	C200H-OC225	U, C, N, L	
		250 VAC/24VDC, 2 A, 16 outputs max.	Yes	Yes	Yes	No	Yes	1	C200H-OC226N	CE	
		250 VAC/24VDC, 2 A, independent contacts, 5 outputs max.	Yes	Yes	Yes	No	Yes	1	C200H-OC223	U, C, N, L	
		250 VAC/24 VDC, 2 A, independent contacts, 8 outputs max.	Yes	Yes	Yes	No	Yes	1	C200H-OC224		
				250 VAC/24 VDC, 2 A, independent contacts, 8 outputs max.	Yes	Yes	Yes	No	Yes	1	C200H-OC224N
C200H Output Units (See note 1.)	Transistor Output Units	12 to 48 VDC, 1 A, 8 sinking outputs	Yes	Yes	Yes	No	Yes	1	C200H-OD411	U, C, N, L, CE	
		24 VDC, 2.1 A, 8 sinking outputs	Yes	Yes	Yes	No	Yes	1	C200H-OD213		
		24 VDC, 0.8 A, 8 sourcing outputs, load short-circuit protection.	Yes	Yes	Yes	No	Yes	1	C200H-OD214	U, C, N, L	
		5 to 24 VDC, 0.3 A, 8 sourcing outputs	Yes	Yes	Yes	No	Yes	1	C200H-OD216		
		24 VDC, 0.3 A, 12 sinking outputs	Yes	Yes	Yes	No	Yes	1	C200H-OD211	U, C, N, L, CE	
		5 to 24 VDC, 0.3 A, 12 sourcing outputs	Yes	Yes	Yes	No	Yes	1	C200H-OD217		
		24 VDC, 0.3 A, 16 sinking outputs	Yes	Yes	Yes	No	Yes	1	C200H-OD212		
				24 VDC, 1 A, 16 sourcing outputs, load short-circuit protection.	Yes	Yes	Yes	No	Yes	1	C200H-OD21A
	Triac Output Units	250 VAC, 1.2 A, 8 outputs	Yes	Yes	Yes	No	Yes	1	C200H-OA223	CE	
		250 VAC, 0.3 A, 12 outputs	Yes	Yes	Yes	No	Yes	1	C200H-OA222V		
		250 VAC, 0.5 A, 12 outputs	Yes	Yes	Yes	No	Yes	1	C200H-OA224	U, C, N, L	

- Note:**
1. C200H Units cannot be used with CS1D CPU Units.
  2. Interrupt inputs are not supported on these Racks (i.e., used as normal I/O Unit).
  3. The C200H-ID001 (no-voltage contacts, 8 inputs, NPN) and C200H-ID002 (no-voltage contacts, 8 inputs, PNP) cannot be used.

**C200H Group-2 High-density I/O Units**

Classification	Name	Specifications	Mountable Racks					Words allocated (CIO 0000 to CIO 0319)	Model	Standards
			CPU Rack	C200H Expansion I/O Racks	CS1 Expansion Racks	CS1 Long-distance Racks	SYSMAC BUS Slave Racks			
C200H Group-2 High-density Input Units (See note.)	DC Input Units	24 VDC, 32 inputs	Yes	Yes	Yes	No	No	2	C200H-ID216	U, C, N, L, CE
		24 VDC, 64 inputs	Yes	Yes	Yes	No	No	4	C200H-ID217	
		24 VDC, 32 inputs, 6 mA	Yes	Yes	Yes	No	No	2	C200H-ID218	
		24 VDC, 64 inputs, 6 mA	Yes	Yes	Yes	No	No	4	C200H-ID219	
		12 VDC, 64 inputs	Yes	Yes	Yes	No	No	4	C200H-ID111	
C200H Group-2 High-density Output Units (See note.)	Transistor Output Units	16 mA/4.5 V to 100 mA/26.4 V, 32 sinking outputs	Yes	Yes	Yes	No	No	2	C200H-OD218	U, C, N, L, CE
		0.5 A/ 24 VDC, 32 sourcing outputs, load short-circuit protection	Yes	Yes	Yes	No	No	2	C200H-OD21B	
		16 mA/4.5 V to 100mA/ 26.4 V, 64 sinking outputs	Yes	Yes	Yes	No	No	4	C200H-OD219	

**Note:** C200H Units cannot be used with CS1D CPU Units.

**Connectors for CS1 32- and 64-point I/O units, and C200H Group-2 High-density I/O Units**

Part	Connection	Remarks	Model	Standards
Applicable connector	Soldered (included with Unit)	From Fujitsu Socket: FCN-361J040-AU Connector bar: FCN-360C040-J2	C500-CE404	---
	Crimped	From Fujitsu Socket: FCN-363J040 Connector bar: FCN-360C040-J2 Contacts: FCN-363J-AU	C500-CE405	
	Pressure welded	From Fujitsu: FCN-367J040-AU	C500-CE403	
Terminal block connection parts	1:1 connections	Special Cable	For CS1W-ID231/ID261/OD231/OD232/OD261/OD262/MD261/MD262 and C200H-ID216/ID217/ID218/ID219/ID111/OD218/OD21B/OD219	XW2Z-□□□B (See note 1.)
		Terminal Block Unit		XW2B-40G4
	1:2 connections	Special Cable		XW2B-40G5
		Terminal Block Unit		XW2D-40G6
		Special Cable		XW2Z-□□□D (See notes 1 and 2.)
		Terminal Block Unit		XW2B-20G4
		XW2B-20G5		
		XW2D-20G6		
		XW2C-20G5-IN16		

**Note: 1.** Refer to page 384 (Wiring Devices) for details. (Square boxes indicate the cable length.)

**2.** The XW2Z-□□□D, CS1W-OD□□□□, and C200H-OD□□□□ cannot be connected. Only the inputs of the CS1W-MD□□□□ can be connected.

**Connectors for CS1 96-point I/O Units**

Part	Connection	Remarks	Model	Standards
Applicable connectors	Soldered (included with Unit)	From Fujitsu Socket: FCN-361J056-AU Connector bar: FCN-360C056-J3	CS1W-CE561	---
	Crimped	From Fujitsu Socket: FCN-363J056 Connector bar: FCN-360C056-J3 Contacts: FCN-363J-AU	CS1W-CE562	
	Pressure welded	From Fujitsu: FCN-367J056-AU	CS1W-CE563	
Terminal block	1:1	Special Cable	For CS1W-ID291/OD291/OD292/MD291/MD292	XW2Z-□□□H-1 (see note.)
		Terminal Block Unit		XW2B-60G4
	1:2	Special Cable		XW2B-60G5
		Terminal Block Unit		XW2Z-□□□H-2 (see note.)
		Special Cable		XW2B-20G4
		Terminal Block Unit		XW2B-20G5
		Special Cable		XW2D-20G6
		Terminal Block Unit		XW2B-40G4
	1:3	Special Cable		XW2B-40G5
		Terminal Block Unit		XW2D-40G6
		Special Cable		XW2Z-□□□H-3 (see note.)
		Terminal Block Unit		XW2B-20G4
Special Cable		XW2B-20G5		
Terminal Block Unit		XW2D-20G6		

**Note:** Refer to page 384 (Wiring Devices) for details. (Square boxes indicate the cable length.)

**C200H High-density I/O Units Classified as Special I/O Units**

Name	Specifications	Mountable Racks					Unit No.	Model	Standards
		CPU Rack	C200H Expansion I/O Racks	CS1 Expansion Racks	CS1 Long-distance Racks	SYSMAC BUS Slave Racks			
DC Input Units	24 V DC, 32 inputs	Yes	Yes	Yes	No	Yes	0 to 9	C200H-ID215	U, C, N, L, CE
TTL Input Units	5 V DC, 32 inputs	Yes	Yes	Yes	No	Yes		C200H-ID501	
Transistor Output Units	24 V DC, 32 sinking outputs	Yes	Yes	Yes	No	Yes		C200H-OD215	
TTL Output Units	5 V DC, 32 sinking outputs	Yes	Yes	Yes	No	Yes		C200H-OD501	
TTL I/O Units	5 V DC, 16 inputs, 16 sinking outputs	Yes	Yes	Yes	No	Yes		C200H-MD501	
DC Input/Transistor Output Units	24 V DC, 16 inputs, 16 sinking outputs	Yes	Yes	Yes	No	Yes		C200H-MD215	
	12 V DC, 16 inputs, 16 sinking outputs	Yes	Yes	Yes	No	Yes		C200H-MD115	U, C, N

**Connectors for C200H High-density I/O Units**

Part	Connection	Remarks	Model	Standards
Applicable connectors	Soldered (included with Unit)	From Fujitsu Socket: FCN-361J024-AU Connector bar: FCN-360C024-J2	C500-CE241	---
	Crimped	From Fujitsu Socket: FCN-363J024 Connector bar: FCN-360C024-J2 Contacts: FCN-363J-AU	C500-CE242	
	Pressure welded	From Fujitsu: FCN-367J024-AU/F	C500-CE243	
Terminal block connection parts	Special Cable	For C200H-ID215/ID501/OD215/MD115/MD215 For C200H-ID215/ID501/MD115/MD215/MD501 □□□ = cable length	XW2Z-□□□A (See note.)	
	Terminal Block Connector		XW2B-20G4	
			XW2B-20G5	
			XW2D-20G6	
			XW2B-20G5-D	
			XW2B-40G5-T	
Special Cable	XW2Z-□□□A (see note)			
Terminal Block Connector	XW2C-20G6-IN16			

**Note:** Refer to page 384 (Wiring Devices) for details. (Square boxes indicate the cable length.)

**C200H Special I/O Units (Cannot be used with CS1D)**

Name	Specifications	Mountable Racks					Unit No.	Model	Standards
		CPU Rack	C200H Expansion I/O Racks	CS1 Expansion Racks	CS1 Long-distance Racks	SYSMAC BUS Slave Racks			
Temperature Control Units	Thermocouple input, time-proportioning PID, or ON/OFF transistor output	Yes	Yes	Yes	No	Yes	0 to 9	C200H-TC001	U, C, CE
	Thermocouple input, time-proportioning PID, or ON/OFF voltage output	Yes	Yes	Yes	No	Yes		C200H-TC002	
	Thermocouple input, PID current output	Yes	Yes	Yes	No	Yes		C200H-TC003	
	Temperature-resistance thermometer input, time-proportioning PID, or ON/OFF transistor output	Yes	Yes	Yes	No	Yes		C200H-TC101	
	Temperature-resistance thermometer input, time-proportioning PID, or ON/OFF voltage output	Yes	Yes	Yes	No	Yes		C200H-TC102	
	Temperature-resistance thermometer input, PID current output	Yes	Yes	Yes	No	Yes		C200H-TC103	
Data Setting Console	Used with Temperature Control Units. Monitoring, setting, and changing present values, set points, alarm values, PID parameters, bank numbers, etc.	---	---	---	---	---	---	C200H-DSC01	---
	Connecting Cable, 2 m	---	---	---	---	---		C200H-CN225	
	Connecting Cable, 4 m	---	---	---	---	---		C200H-CN425	

Name	Specifications	Mountable Racks					Unit No.	Model	Standards
		CPU Rack	C200H Expansion I/O Racks	CS1 Expansion Racks	CS1 Long-distance Racks	SYSMAC BUS Slave Racks			
Heat/Cool Temperature Control Units	Thermocouple input, time-proportioning PID, or ON/OFF transistor output	Yes	Yes	Yes	No	Yes	0 to 9	C200H-TV001	U, C, CE
	Thermocouple input, time-proportioning PID, or ON/OFF voltage output	Yes	Yes	Yes	No	Yes		C200H-TV002	
	Thermocouple input, PID current output	Yes	Yes	Yes	No	Yes		C200H-TV003	
	Temperature-resistance thermometer input, time-proportioning PID, or ON/OFF transistor output	Yes	Yes	Yes	No	Yes		C200H-TV101	
	Temperature-resistance thermometer input, time-proportioning PID, or ON/OFF voltage output	Yes	Yes	Yes	No	Yes		C200H-TV102	
	Temperature-resistance thermometer input, PID current output	Yes	Yes	Yes	No	Yes		C200H-TV103	
Temperature Sensor Units	Thermocouple input, K/J selectable	Yes	Yes	Yes	No	Yes	0 to 9	C200H-TS001	U, C
	Thermocouple input, K/L selectable	Yes	Yes	Yes	No	Yes		C200H-TS002	
	Temperature-resistance thermometer, JPt 100	Yes	Yes	Yes	No	Yes		C200H-TS101	
	Temperature-resistance thermometer, Pt 100	Yes	Yes	Yes	No	Yes		C200H-TS102	
PID Control Units	Voltage output/current input, time-proportioning PID, or ON/OFF transistor output	Yes	Yes	Yes	No	Yes	0 to 9	C200H-PID01	U, C, CE
	Voltage output/current input, time-proportioning PID, or ON/OFF voltage output	Yes	Yes	Yes	No	Yes		C200H-PID02	
	Voltage output/current input, PID current output	Yes	Yes	Yes	No	Yes		C200H-PID03	
Data Setting Console	Used with PID Control Units. Monitoring, setting, and changing present values, set points, alarm values, PID parameters, bank numbers, etc.	---					---	C200H-DSC01	---
	Connecting Cable, 2 m	---						C200H-CN225	
	Connecting Cable, 4 m	---						C200H-CN425	
ASCII Units	200-Kbyte RAM, 2 RS-232C ports	Yes	Yes	Yes	No	Yes	0 to F	C200H-ASC11	U, C, CE
	200-Kbyte RAM, RS-232C port, RS-422/485 port	Yes	Yes	Yes	No	Yes		C200H-ASC21	
	200-Kbyte RAM, 3 RS-232C ports (1 terminal only)	Yes	Yes	Yes	No	Yes		C200H-ASC31	
Analog Input Units	4 to 20 mA, 1 to 5/0 to 10 V/-10 to +10 V (selectable); 8 inputs; 1/4,000 resolution	Yes	Yes	Yes	No	Yes	0 to F	C200H-AD003	U, C, N, L, CE
Analog Output Units	1 to 5 V, -10 to +10 V (selectable), 8 outputs; 1/4,000 resolution	Yes	Yes	Yes	No	Yes	0 to F	C200H-DA003	U, C, N, L, CE
	4 to 20 mA, 8 outputs; 1/4,000 resolution	Yes	Yes	Yes	No	Yes		C200H-DA004	
Analog I/O Units	2 inputs (4 to 20 mA, 1 to 5 V, etc.) 2 outputs (4 to 20 mA, 1 to 5 V, etc.)	Yes	Yes	Yes	No	Yes		C200H-MAD01	
High-Speed Counter Units	Two-axis pulse input, counting rate: 75 kcps max., line driver compatible	Yes	Yes	Yes	No	Yes	0 to F	C200H-CT021	U, C, CE



Name	Specifications	Mountable Racks					Unit No.	Model	Standards
		CPU Rack	C200H Expansion I/O Racks	CS1 Expansion Racks	CS1 Long-distance Racks	SYSMAC BUS Slave Racks			
Motion Control Units	G-language programmable, two-axis analog outputs	Yes	Yes	Yes	No	Yes	0 to F	C200H-MC221	U, C, CE
	MC Support Software IBM PC/AT or compatible	---	---	---	---	---	---	CV500-ZN3AT1-E	---
	Connecting Cable: 3.3 m	---	---	---	---	---	---	CV500-CIF01	---
	Teaching Box	---	---	---	---	---	---	CVM1-PRO01	U, C, CE
	Connection cable for Teaching Box: 2 m long	---	---	---	---	---	---	CV500-CN224	CE
	Memory Pack	---	---	---	---	---	---	CVM1-MP702	U, C, CE
	Terminal Block Conversion Unit Simplifies wiring.	---	---	---	---	---	---	XW2B-20J6-6	---
	Connecting Cable for Terminal Block Conversion Unit	---	---	---	---	---	---	XW2Z-100J-F1	---
4 axes, analog+digital I/O, Motion Perfect BASIC language	Yes	Yes	Yes	No	No	0 to F	C200HW-MC402-E	CE	
Position Control Units	One-axis pulse-train open-collector output	Yes	Yes	Yes	No	Yes	0 to F	C200HW-NC113	U, C, CE
	Two-axis pulse-train open-collector output	Yes	Yes	Yes	No	Yes	---	C200HW-NC213	---
	Four-axis pulse-train open-collector output	Yes	Yes	Yes	No	Yes	---	C200HW-NC413	---
	Peripheral Port Connecting Cables for computer	---	---	---	---	---	---	CS1W-CN226 (2 m) CS1W-CN626 (6 m)	CE
	RS-232C Port Connecting Cables for computer	---	---	---	---	---	---	XW2Z-200S-CV (2 m) NCT V1.11 or earlier XW2Z-500S-CV (5 m) NCT V1.11 or earlier XW2Z-200S (2 m) (See note 1.) XW2Z-500S (5 m) (See note 1.) XW2B-20J6-1B	---
	1-axis Relay Unit for C200HW-NC113	---	---	---	---	---	---	XW2B-40J6-2B	---
	2-axis Relay Unit for C200HW-NC213/NC413	---	---	---	---	---	---	XW2Z-050J-A6 (0.5 m) XW2Z-100J-A6 (1 m)	---
	1-axis U, H, M Connecting Cables for C200HW-NC113	---	---	---	---	---	---	XW2Z-050J-A7 (0.5 m) XW2Z-100J-A7 (1 m)	---
	2-axis U, H, M Connecting Cables for C200HW-NC213/NC413	---	---	---	---	---	---	XW2Z-050J-A8 (0.5 m) XW2Z-100J-A8 (1 m)	---
	1-axis UEP Connecting Cables for C200HW-NC113	---	---	---	---	---	---	XW2Z-050J-A9 (0.5 m) XW2Z-100J-A9 (1 m)	---
	2-axis UEP Connecting Cables for C200HW-NC213/NC413	---	---	---	---	---	---	XW2Z-050J-A9 (0.5 m) XW2Z-100J-A9 (1 m)	---

CS1 Special I/O Units

Name	Specifications	Mountable Racks					Unit No.	Model	Standards	
		CPU Rack	C200H Expansion I/O Racks	CS1 Expansion Racks	CS1 Long-distance Racks	SYSMAC BUS Slave Racks				
Analog Input Units	4 inputs (1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA) Resolution: 1/4,000	Yes	No	Yes	Yes	No	0 to 95	CS1W-AD041-V1	UC1, N, L, CE	
	CS1W-AD081-V1									
	16 inputs (1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA) Resolution: 1/4,000						0 to 94	CS1W-AD161	UC1, N, CE	
Analog Output Units	4 outputs (1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA) Resolution: 1/4,000						0 to 95	CS1W-DA041	UC1, N, L, CE	
	8 outputs (1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA) Resolution: 1/4,000							CS1W-DA08V		
	8 outputs (4 to 20 mA) Resolution: 1/4,000							CS1W-DA08C		
								CS1W-MAD44		
Analog I/O Unit	4 inputs (4 to 20 mA, 1 to 5 V, etc.) 4 outputs (1 to 5 V, 0 to 10 V, etc.)									
Process I/O Units										
Isolated Thermocouple Input Unit	4 inputs, B, E, J, K, N, R, S, T, U, WRe5-26, PLII, $\pm 100$ mV	Yes	No	Yes	Yes	No	0 to 95	CS1W-PTS11	UC1, CE, N	
	4 inputs, B, J, K, R, S, T, L							CS1W-PTS51		CE, UC1
	8 inputs, B, J, K, R, S, T, L							CS1W-PTS55		UC1, CE
Isolated Temperature-resistance	4 inputs, Pt100 $\Omega$ (JIS, IEC), JPt100 $\Omega$ , Pt150 $\Omega$ , Ni508.4 $\Omega$							CS1W-PTS12	UC1, CE, N	
Thermometer Input Unit	4 inputs, Pt100 $\Omega$ (JIS, IEC), JP5100 $\Omega$							CS1W-PTS52	UC1, CE	
	8 inputs, Pt100 $\Omega$ (JIS, IEC), JPt100 $\Omega$							CS1W-PTS56		
Isolated Two-wire Transmission Device Input Unit	4 inputs, 4 to 20 mA, 1 to 5 V							CS1W-PTW01	UC1, CE	
Isolated DC Input Unit	4 inputs, 4 to 20 mA, 1 to 5 V, 0 to 5 V, $\pm 5$ V, 0 to 10 V, $\pm 10$ V							CS1W-PDC01	UC1, CE, N	
	4 inputs, 4 to 20 mA, 0 to 20 mA, 0 to 10 V, $\pm 10$ V, 0 to 5 V, $\pm 5$ V, 1 to 5 V, 0 to 1.25 V, $\pm 1.25$ V							CS1W-PDC11		
	8 inputs, 4 to 20 mA, 0 to 10 V, 1 to 5 V, 0 to 5 V							CS1W-PDC55		
Isolated Pulse Input Unit	4 inputs							CS1W-PPS01	UC1, CE	
Isolated Control Output Unit	4 outputs, 4 to 20 mA, 1 to 5 V							CS1W-PMV01		
	4 outputs, 0 to 10 V, $\pm 10$ V, 0 to 5 V, $\pm 5$ V, 0 to 1 V, $\pm 1$ V							CS1W-PMV02		
Power Transducer Input Unit	8 inputs, 0 to 1 mA, $\pm 1$ mA							CS1W-PTR01	UC1, CE	
100-mV DC Input Unit	8 inputs, 0 to 100 mA, $\pm 100$ mV							CS1W-PTR02		
Loop Control Units	Control loops: 32 Processes: 250	Yes	No	No	No	No	0 to F	CS1W-LC001	UC1, N, CE	
Loop Control Boards	50 blocks maximum including both adjustment and operation blocks	CPU Unit Inner Board for CS1-H PLCs							CS1W-LCB01	UC1, N, CE
	500 blocks maximum including both adjustment and operation blocks							CS1W-LCO05		





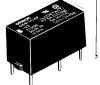

Name	Specifications	Mountable Racks					Unit No.	Model	Standards
		CPU Rack	C200H Expansion I/O Racks	CS1 Expansion Racks	CS1 Long-distance Racks	SYSMAC BUS Slave Racks			
High-Speed Counter Units	Pulse input: 2 pts Counting speed: 500 kcps max.	Yes	No	Yes	Yes	No	0 to 92	CS1W-CT021	U, C, CE
	Pulse input: 4 pts Counting speed: 500 kcps max.							CS1W-CT041	
	Solder terminal; 40p and a Connector Cover	---						C500-CE401	---
	Solderless terminal; 40p and a Connector Cover (Crimped)	---						C500-CE402	
	Pressure welded terminal; 40p	---						C500-CE403	
	Solder terminal; 40p and a Connector Cover (Horizontal-type)	---						C500-CE404	
	Crimp-style terminal; 40p and a Connector Cover (Horizontal-type)	---						C500-CE405	
Position Control Units	One-axis pulse train open-collector output	Yes	No	Yes	Yes	No	0 to 95	CS1W-NC113	U, C, N, L, CE
	Two-axis pulse train open-collector output							CS1W-NC213	
	Four-axis pulse train open-collector output						0 to 94	CS1W-NC413	
	One-axis pulse train line-driver output						0 to 95	CS1W-NC133	
	Two axis pulse train line-driver output							CS1W-NC233	
	Four axis pulse train line-driver output						0 to 94	CS1W-NC433	
SSI Unit	SSI encoder inputs: 2 channels	Yes	No	Yes	Yes	No	0 to 94	CS1W-CTS21	CE
Motion Control Units	4 axes, analog outputs, G language	Yes	No	Yes	Yes	No	0 to 93	CS1W-MC421	U, C, CE
	2 axes, analog outputs, G language							CS1W-MC221	
	MCH high-speed serial link						0 to F	CS1W-MCH71	
Computer Connecting Cables	Peripheral port on CPU Unit	---						CS1W-CN226 (2 m)	CE
								CS1W-CN626 (6 m)	
	RS-232C port on CPU Unit							XW2Z-200S-CV (2 m)	---
								XW2Z-500S-CV (5 m)	
Teaching Box		---						CVM1-PRO01	U, C, CE
Teaching Box Connecting Cable (2 m)								CV500-CN224	CE
Memory Pack								CVM1-MP702	U, C, CE
MC Terminal Block Conversion Unit for 2 Axes (simplifies wiring I/O connectors)								XW2B-20J6-6	---
MC Terminal Block Conversion Unit for 4 Axes (simplifies wiring I/O connectors)								XW2B-40J6-7	
MC Terminal Block Conversion Unit Cable								XW2Z-100J-F1	
Serial Communications Unit	Two RS-232C Ports	Yes	No	Yes	Yes	No	0 to F	CS1W-SCU21-V1	U, C, L, N, CE
RS-232C-RS-422A Conversion Unit	1 RS-232C port and 1 RS-422A terminal block	---						NT-AL001	---
Ethernet Unit	100Base-Tx	Yes	No	Yes	Yes	No	0 to F	CS1W-ETN21 CS1D-ETN21D	UC1, L, N,
Controller Link Units	Wired	Yes	No	Yes	Yes	No	0 to F	CS1W-CLK21-V1	U, C, L, N, CE
	Optical (H-PCF cable)						0 to F	CS1W-CLK12-V1	U, C, CE
	Optical (GI fiber 62.5/125 μm)							CS1W-CLK52-V1	
Controller Link Support Boards	Wired	---						3G8F7-CLK21-V1	CE
	Optical (H-PCF cable)							3G8F7-CLK12-V1	
	Optical (GI fiber 62.5/125 μm)							3G8F7-CLK52-V1	
Controller Link Relay Terminals	Wired (a set of 5)	---						CJ1W-TB101	---
Controller Link Repeater Units	Twisted-pair	---						CS1W-RPT01	UC1, CE
	Optical ring (H-PCF cable)	---						CS1W-RPT02	
	Optical ring (GI cable)	---						CS1W-RPT03	
GPIB Unit	Supports Master and Slave Modes	Yes	No	Yes	Yes	No	0 to 95	CS1W-GPI01	UC, CE

Name	Specifications	Mountable Racks					Unit No.	Model	Standards
		CPU Rack	C200H Expansion I/O Racks	CS1 Expansion Racks	CS1 Long-distance Racks	SYSMAC BUS Slave Racks			
DeviceNet Unit	Functions as master and/or slave; allows control of 2,048 points max. per master.	Yes	No	Yes	Yes	No	---	CS1W-DRM21-V1	0 to F
PROFIBUS-DP Unit	Master Unit for up to 7000 remote I/O words	Yes	No	Yes	Yes	No	0 to F	CS1W-PRM21	CE
	Master Unit for up to 300 remote I/O words	Yes	Yes	Yes	No	No		C200HW-PRM21	
	I/O Link for up to 200 I/O words							C200HW-PRT21	U, L, C, CE
CAN/CANopen Unit	Freely configurable CAN communication, or CANopen protocol	Yes	Yes	Yes	No	No	0 to F	C200HW-CORT21-V1	U, C, CE

**Note: 1.** A 25-pin to 9-pin adapter is required to connected to a 9-pin, D-sub RS-232C connector on an IBM PC/AT or compatible.

**Note:** Setting tool software for the Processing I/O Units also supports CS1W-AD□□□□, CS1WS-DA□□□□, and CS1W-MAD44.

### Optional Products

Name	Specifications	Model	Standards	
I/O Unit Cover 	Cover for 10-pin terminal block	C200H-COV11	---	
Terminal Block Covers 	Short protection for 10-pin terminal block (package of 10 covers); 8 pts	C200H-COV02		
	Short protection for 19-pin terminal block (package of 10 covers); 12 pts	C200H-COV03		
C200H Unit Connector Cover 	Protective cover for unused I/O Connecting Cable connectors	C500-COV01		
CS1 Special I/O Unit Connector Cover	Protective cover for unused I/O Connecting Cable connectors	CV500-COV01		
C200H Expansion I/O Backplane Insulation Plates 	Electrically insulate C200H Expansion I/O Backplanes from the control panel to increase noise resistance.	For 3-slot Backplane	C200HW-ATT32	N, L, CE
		For 5-slot Backplane	C200HW-ATT52	
		For 8-slot Backplane	C200HW-ATT82	
		For 10-slot Backplane	C200HW-ATTA2	
Relay 	24 V DC, for C200H-OC221/OC222/OC223/OC224/OC225	G6B-1174P-FD-US	---	
Programming Console Mounting Bracket 	Used to attach C200H-PRO27-E Hand-held Programming Console to a panel.	C200H-ATT01		
Space Unit	Used for empty I/O slot on the CS1W-BC□□□3/BI□□□3 or C200HW-BI□□□.	C200H-SP001	---	
	Used for empty I/O slot on CS1W-BC□□□2/BI□□□2 and CS1D-BC□□□□(S)/BI□□□□	CS1W-SP001		
	Used for empty Power Supply Unit slot on CS1D-BC□□□□(S)/BI□□□□; same shape as the CS1W-PA207R.	CS1W-SP002		
	Used for empty Power Supply Unit slot on CS1D-BC□□□□(S)/BI□□□□; same shape as the CS1W-PA207R.	CS1W-SP002		
Battery Set	For CS-series CPU Units. (Use batteries within two years of manufacture).	CS1W-BAT01	L, CE	
Terminating Resistor (See note.)	Mounts to end of CS1 Long-distance Expansion Rack	CV500-TER01	U, C	

**Note:** Two Terminating Resistors are included with the CS1W-IC102 I/O Control Unit.

## Mounting Rails and Accessories

Name	Specifications	Model number	Standards
DIN rail Mounting Bracket	1 set (2 included)	C200H-DIN01	---
DIN rails	Length: 50 cm; height: 7.3 cm	PFP-50N	
	Length: 1 m; height: 7.3 cm	PFP-100N	
	Length: 50 cm; height: 16 mm	PFP-100N2	
End Plate	---	PFP-M	
Spacer		PFP-S	

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.  
 To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.