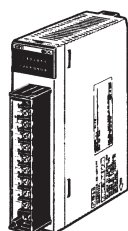


CS1-series

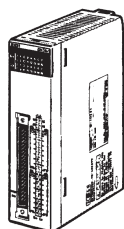
Basic I/O Units

I/O Units



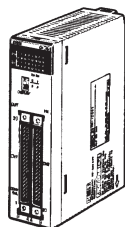
Input Unit
CS1W-ID211
16 points

Output Units
CS1W-OD21□
16 points



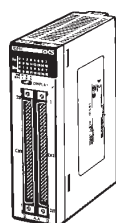
Input Unit
CS1W-ID231
32 points

Output Units
CS1W-OD23□
32 points



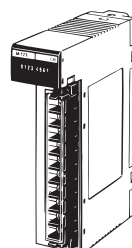
Input Unit
CS1W-ID261
64 points

Output Units
CS1W-OD26□
64 points
I/O Units
CS1W-MD26□
32/32 points



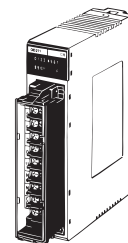
Input Unit
CS1W-ID291
96 points

Output Units
CS1W-OD29□
96 points
I/O Units
CS1W-MD29□
48/48 points



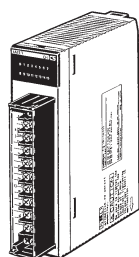
Input Unit
C200H-ID211□
8 points

Output Units
C200H-OD21□
5/8 points

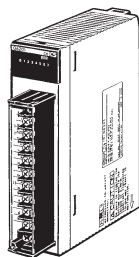


Input Unit
C200H-ID212□
16 points

Output Units
C200H-OD21□
16 points

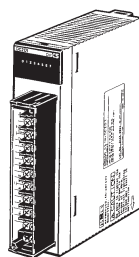


AC Input Units
CS1W-IA□11
16 points



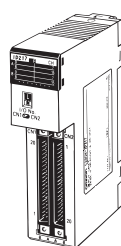
Triac Output Unit
CS1W-OA201
8 points

Triac Output Unit
CS1W-OA211
16 points



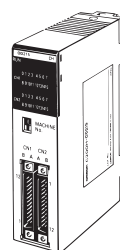
Relay Output Unit
CS1W-OC201
8 independent points

Relay Output Unit
CS1W-OC211
16 points



Input Unit
C200H-ID32□
32/64 points

Output Units
C200H-OD32□
32/64 points



Input Unit
C200H-ID33□
32 points

Output Units
C200H-OD33□
32 points

I/O Units
C200H-MD33□
16/16 points

DC Input Units

Classification	Input voltage	Inputs	Connections	Model	Remarks
CS1 Basic I/O Unit	24 V DC	16 pts	Removable terminal block	CS1W-ID211	Input current: 7 mA
	24 V DC	32 pts	Connector	CS1W-ID231	Input current: 6 mA
	24 V DC	64 pts		CS1W-ID261	
	24 V DC	96 pts		CS1W-ID291	Input current: approx. 5 mA
C200H Basic I/O Unit	12 to 24 V DC	8 pts	Removable terminal block	C200H-ID211	Input current: 10 mA
	12 to 24 V DC	16 pts	Removable terminal block	C200H-ID212	Input current: 7 mA
C200H Group-2 I/O Units	24 V DC	32 pts	Connector	C200H-ID216	Input current: 4.1 mA
	24 V DC	64 pts		C200H-ID217	
	24 V DC	32 pts		C200H-ID218	Input current: 6 mA
	24 V DC	64 pts		C200H-ID219	
	12 V DC	64 pts		C200H-ID111	Input current: 4.1 mA
	24 V DC	32 pts		C200H-ID215	Input current: 4.1 mA
C200H Special I/O Unit	24 V DC	32 pts			

TTL Input Units

Classification	Input voltage	Inputs	Connections	Model	Remarks
C200H Special I/O Unit	5 V DC	32 pts	Connector	C200H-ID501	Pulse-catch inputs

AC Input Units (and 100 V DC)

Classification	Input voltage	Inputs	Connections	Model
CS1 Basic I/O Units	100 to 120 V AC, or 100 to 120 V DC	16 pts	Removable terminal block	CS1W-IA111
	200 to 240 V AC	16 pts		CS1W-IA211
C200H Basic I/O Units	100 to 120 V AC	8 pts		C200H-IA121
		16 pts		C200H-IA122
	200 to 240 V AC	8 pts		C200H-IA122V
				C200H-IA221
				C200H-IA222
				C200H-IA222V

AC/DC Input Units

Classification	Input voltage	Inputs	Connections	Model
C200H Basic I/O Units	12 to 24 V AC/ V DC	8 pts	Removable terminal block	C200H-IM211
	24 V AC/ V DC	16 pts		C200H-IM212

Relay Output Units

Classification	Outputs	Connections	Model
CS1 Basic I/O Units	8 pts (independent)	Removable terminal block	CS1W-OC201
	16 pts		CS1W-OC211
C200H Basic I/O Units	8 pts		C200H-OC221
	12 pts		C200H-OC222
	12 pts		C200H-OC222N
	16 pts		C200H-OC225
	16 pts		C200H-OC226N
	5 pts		C200H-OC223
	8 pts		C200H-OC224
	8 pts		C200H-OC224N

Transistor Output Units

Classification	Outputs	Max. switching capacity	Connections	Model
CS1 Basic I/O Units	16 pts	12 to 24 V DC, 0.5 A/pt, 8 A/Unit sinking	Removable terminal block	CS1W-OD211
		24 V DC, 0.5 A/pt, 5 A/Unit, sourcing, short circuit protection, alarm		CS1W-OD212
	32 pts	12 to 24 V DC, 0.5 A/pt, 5 A/Unit, sinking	Connector	CS1W-OD231
		24 V DC, 0.5 A/pt, 5 A/Unit, sourcing, short circuit protection, alarm		CS1W-OD232
	64 pts	12 to 24 V DC, 0.3 A/pt, 6.4 A/Unit, sinking		CS1W-OD261
		24 V DC, 0.3 A/pt, 6.4 A/Unit, sourcing, short circuit protection, alarm		CS1W-OD262
	96 pts	12 to 24 V DC, 0.1 A sinking, 7.2 A/Unit		CS1W-OD291
		12 to 24 V DC, 0.1 A sourcing, 7.2 A/Unit		CS1W-OD292
C200H Basic I/O Units	8 pts	12 to 48 V DC, 1 A sinking	Removable terminal block	C200H-OD411
	8 pts	24 V DC, 2.1 A, sinking		C200H-OD213
	8 pts	24 V DC, 0.8 A, sourcing, short circuit protection		C200H-OD214
	8 pts	5 to 24 V DC, 0.3 A, sourcing		C200H-OD216
	12 pts	24 V DC, 0.3 A, sinking		C200H-OD211
	16 pts	24 V DC, 0.3 A, sinking		C200H-OD212
	12 pts	5 to 24 V DC, 0.3 A, sourcing		C200H-OD217
	16 pts	24 V DC, 1.0 A, sourcing, short circuit protection		C200H-OD21A
	16 pts	24 V DC, 0.3 A, sinking		C200H-OD212
C200H Group-2 I/O Units	32 pts	16 mA at 4.5 V to 100 mA at 26.4 V, sinking	Connector	C200H-OD218
	32 pts	500 mA at 24 V DC, sourcing, short circuit protection		C200H-OD21B
	64 pts	16 mA at 4.5 V to 100 mA at 26.4 V, sinking		C200H-OD219
C200H Special I/O Unit	32 pts	16 mA at 4.5 V to 100 mA at 26.4 V, sinking 128-pt dynamic outputs possible		C200H-OD215

TTL Output Unit

Classification	Outputs	Max. switching capacity	Connections	Model
C200H Special I/O Unit	32 pts	5 V DC, 35 mA 128-pt dynamic outputs possible	Connector	C200H-OD501

Triac Output Units

Classification	Outputs	Max. switching capacity	Connections	Model
CS1 Basic I/O Units	8 pts	250 V AC, 1.2 A, 50/60 Hz	Removable terminal block	CS1W-OA201
	16 pts	250 V AC, 0.5 A, 50/60 Hz		CS1W-OA211
C200H Basic I/O Units	8 pts	250 V AC, 1.2 A, 50/60 Hz		C200H-OA223
	12 pts	250 V AC, 0.3 A, 50/60 Hz		C200H-OA222V
	12 pts	250 V AC, 0.5 A, 50/60 Hz		C200H-OA224

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	
		200 to 240VAC, 8 inputs	Yes	Yes	Yes	No	Yes	1	C200H-IA221	
		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	
		200 to 240VAC, 16 inputs	Yes	Yes	Yes	No	Yes	1	C200H-IA222V	
	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	CE
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	CE
		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.