

## ■ Customizable Counter Units

| Unit type             | Product name                                                                                                            | Specifications                                                                                        | Mountable Racks    |     |                                 |                    |     |                                  |                       | No. of unit numbers allocated | Current consumption (A) |             | Model         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|--------------------|-----|---------------------------------|--------------------|-----|----------------------------------|-----------------------|-------------------------------|-------------------------|-------------|---------------|
|                       |                                                                                                                         |                                                                                                       | CPU Rack           |     | C200HX/HG/HE Expansion I/O Rack | CS1 Expansion Rack |     | CS1 Long-distance Expansion Rack | SYSMAC BUS Slave Rack |                               | 5 V system              | 26 V system |               |
|                       |                                                                                                                         |                                                                                                       | CS1W-BC<br>□□3 □□2 |     |                                 | CS1W-BI<br>□□3 □□2 |     |                                  |                       |                               |                         |             |               |
| CS1 Special I/O Units | <div>Customizable Counter Units</div>  | Two-axis pulse input<br>Two-axis pulse output<br>12 DC inputs<br>8 transistor outputs                 | Yes                | Yes | No                              | Yes                | Yes | Yes                              | No                    | 1 unit number's words         | 0.80                    | ---         | CS1W-HCP22-V1 |
|                       |                                                                                                                         | Single-axis pulse input<br>1 analog input<br>2 analog outputs<br>12 DC inputs<br>8 transistor outputs | Yes                | Yes | No                              | Yes                | Yes | Yes                              | No                    |                               | 0.75                    | 0.15        | CS1W-HCA12-V1 |
|                       |                                                                                                                         | Two-axis pulse input<br>2 analog outputs<br>12 DC inputs<br>8 transistor outputs                      | Yes                | Yes | No                              | Yes                | Yes | Yes                              | No                    |                               | 0.75                    | 0.15        | CS1W-HCA22-V1 |
|                       |                                                                                                                         | 12 DC inputs<br>8 transistor outputs                                                                  | Yes                | Yes | No                              | Yes                | Yes | Yes                              | No                    |                               | 0.60                    | ---         | CS1W-HIO01-V1 |

## ■ Position Control Units

| Unit type             | Product name                                                                                                          | Specifications                      |                                   | Mountable Racks                                                          |                                                          |                    |                                  |                       |                             |                     | No. of unit numbers allocated | Current consumption (A) |            | Model      |              |  |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------|--------------------|----------------------------------|-----------------------|-----------------------------|---------------------|-------------------------------|-------------------------|------------|------------|--------------|--|
|                       |                                                                                                                       |                                     |                                   | CPU Rack                                                                 | C200HX/HG/HE Expansion I/O Rack                          | CS1 Expansion Rack | CS1 Long-distance Expansion Rack | SYSMAC BUS Slave Rack | 5 V system                  | 26 V system         |                               |                         |            |            |              |  |
|                       |                                                                                                                       | Control output interface            | Number of axes                    | CS1W-BC<br>□□3 □□2                                                       | CS1W-BI<br>□□3 □□2                                       |                    |                                  |                       |                             |                     |                               |                         |            |            |              |  |
| CS1 Special I/O Units | <div>Position Control Units</div>  | Pulse-train, open-collector outputs | 1 axis                            | Yes                                                                      | Yes                                                      | No                 | Yes                              | Yes                   | Yes                         | No                  | 1 unit number's words         | 0.25                    | ---        | CS1W-NC113 |              |  |
|                       |                                                                                                                       |                                     | 2 axes                            | Yes                                                                      | Yes                                                      | No                 | Yes                              | Yes                   | Yes                         | No                  | 0.25                          | ---                     | CS1W-NC213 |            |              |  |
|                       |                                                                                                                       |                                     | 4 axes                            | Yes                                                                      | Yes                                                      | No                 | Yes                              | Yes                   | Yes                         | No                  | 2 unit numbers' words         | 0.36                    | ---        | CS1W-NC413 |              |  |
|                       |                                                                                                                       | Pulse-train, line-driver outputs    | 1 axis                            | Yes                                                                      | Yes                                                      | No                 | Yes                              | Yes                   | Yes                         | No                  | 1 unit number's words         | 0.25                    | ---        | CS1W-NC133 |              |  |
|                       |                                                                                                                       |                                     | 2 axes                            | Yes                                                                      | Yes                                                      | No                 | Yes                              | Yes                   | Yes                         | No                  | 0.25                          | ---                     | CS1W-NC233 |            |              |  |
|                       |                                                                                                                       |                                     | 4 axes                            | Yes                                                                      | Yes                                                      | No                 | Yes                              | Yes                   | Yes                         | No                  | 2 unit numbers' words         | 0.36                    | ---        | CS1W-NC433 |              |  |
|                       |                                                                                                                       | Relay Unit for Servo                | For use with the CS1W-NC1□3       |                                                                          | Number of axes supported: 1                              |                    |                                  |                       |                             |                     |                               |                         |            |            | XW2B-20J6-1B |  |
|                       |                                                                                                                       |                                     | For use with the CS1W-NC2□3/NC4□3 |                                                                          | Number of axes supported: 2                              |                    |                                  |                       |                             |                     |                               |                         |            |            | XW2B-40J6-2B |  |
|                       |                                                                                                                       |                                     | For use with the CS1W-NC□□3       |                                                                          | Number of axes supported: 2, with communications support |                    |                                  |                       |                             |                     |                               |                         |            |            | XW2B-40J6-4A |  |
|                       | Servo Relay Unit Connecting Cable (Position Control Unit end)                                                         | Open-collector output               | For use with the CS1W-NC113       | Connectable Servo Drive: G5 Series, G Series, W Series *, or SMARTSTEP 2 |                                                          |                    |                                  |                       | Number of axes supported: 1 | Cable length: 0.5 m |                               | XW2Z-050J-A6            |            |            |              |  |
|                       |                                                                                                                       |                                     |                                   | Connectable Servo Drive: SMARTSTEP Junior or A Series                    |                                                          |                    |                                  |                       |                             | Cable length: 1 m   |                               | XW2Z-100J-A6            |            |            |              |  |
|                       |                                                                                                                       |                                     |                                   |                                                                          |                                                          |                    |                                  |                       |                             | Cable length: 0.5 m |                               | XW2Z-050J-A8            |            |            |              |  |
|                       |                                                                                                                       |                                     |                                   | Cable length: 1 m                                                        |                                                          | XW2Z-100J-A8       |                                  |                       |                             |                     |                               |                         |            |            |              |  |
|                       |                                                                                                                       |                                     | For use with the CS1W-NC213/NC413 | Connectable Servo Drive: G5 Series, G Series, W Series *, or SMARTSTEP 2 |                                                          |                    |                                  |                       | Number of axes supported: 2 | Cable length: 0.5 m |                               | XW2Z-050J-A7            |            |            |              |  |
|                       |                                                                                                                       |                                     |                                   | Connectable Servo Drive: SMARTSTEP Junior or A Series                    |                                                          |                    |                                  |                       |                             | Cable length: 1 m   |                               | XW2Z-100J-A7            |            |            |              |  |
|                       |                                                                                                                       |                                     |                                   |                                                                          |                                                          |                    |                                  |                       |                             | Cable length: 0.5 m |                               | XW2Z-050J-A9            |            |            |              |  |
|                       |                                                                                                                       |                                     |                                   | Cable length: 1 m                                                        |                                                          | XW2Z-100J-A9       |                                  |                       |                             |                     |                               |                         |            |            |              |  |
|                       |                                                                                                                       | Line-driver outputs                 | For use with the CS1W-NC133       | Connectable Servo Drive: G5 Series, G Series, W Series *, or SMARTSTEP 2 |                                                          |                    |                                  |                       | Number of axes supported: 1 | Cable length: 0.5 m |                               | XW2Z-050J-A10           |            |            |              |  |
|                       |                                                                                                                       |                                     |                                   | Connectable Servo Drive: SMARTSTEP Junior or A Series                    |                                                          |                    |                                  |                       |                             | Cable length: 1 m   |                               | XW2Z-100J-A10           |            |            |              |  |
|                       |                                                                                                                       |                                     |                                   |                                                                          |                                                          |                    |                                  |                       |                             | Cable length: 0.5 m |                               | XW2Z-050J-A12           |            |            |              |  |
|                       |                                                                                                                       |                                     |                                   | Cable length: 1 m                                                        |                                                          | XW2Z-100J-A12      |                                  |                       |                             |                     |                               |                         |            |            |              |  |
|                       |                                                                                                                       |                                     | For use with the CS1W-NC233/NC433 | Connectable Servo Drive: G5 Series, G Series, W Series *, or SMARTSTEP 2 |                                                          |                    |                                  |                       | Number of axes supported: 2 | Cable length: 0.5 m |                               | XW2Z-050J-A11           |            |            |              |  |
|                       |                                                                                                                       |                                     |                                   | Connectable Servo Drive: SMARTSTEP Junior or A Series                    |                                                          |                    |                                  |                       |                             | Cable length: 1 m   |                               | XW2Z-100J-A11           |            |            |              |  |
|                       |                                                                                                                       |                                     |                                   |                                                                          |                                                          |                    |                                  |                       |                             | Cable length: 0.5 m |                               | XW2Z-050J-A13           |            |            |              |  |
|                       |                                                                                                                       |                                     |                                   | Cable length: 1 m                                                        |                                                          | XW2Z-100J-A13      |                                  |                       |                             |                     |                               |                         |            |            |              |  |

\*W-series is no longer available to order.