

## ● Industrial Switching Hubs

| Product name              | Appearance                                                                        | Functions                                                                                         | No. of ports | Accessories            | Current consumption (A) | Model    |
|---------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------|------------------------|-------------------------|----------|
| Industrial Switching Hubs |  | Quality of Service (QoS):<br>EtherNet/IP control data priority<br>10/100BASE-TX, Auto-Negotiation | 5            | Power supply connector | 0.07                    | W4S1-05D |

## ■ Controller Link 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 CPU Bus Unit | Controller Link Unit                                                                                              | Wired shielded twisted-pair cable #1  | *4 Yes                                                                                                                  | *4 Yes | No                              | *4 Yes               | *4 Yes | Yes                              | No                    | 1 unit number's words         | 0.33                    | ---         | CS1W-CLK23    |
|                  |                                                                                                                   | Optical ring H-PCF cable #2           | *4 Yes                                                                                                                  | *4 Yes | No                              | *4 Yes               | *4 Yes | Yes                              | No                    |                               | 0.52                    | ---         | CS1W-CLK13    |
|                  |                                                                                                                   | Optical ring GI cable #3              | *4 Yes                                                                                                                  | *4 Yes | No                              | *4 Yes               | *4 Yes | Yes                              | No                    |                               | 0.65                    | ---         | CS1W-CLK53    |
|                  |  Controller Link Support Board | Wired shielded twisted-pair cable #1                                                                                   | • CD-ROM × 1 #5<br>• Installation Guide (W467) × 1<br>• Communications Connector × 1                                    |        |                                 |                      |        |                                  |                       | ---                           |                         |             | 3G8F7-CLK23-E |
|                  |                                                                                                                   | H-PCF optical model                                                                                                    | • CD-ROM × 1 #5<br>• Installation Guide (W467) × 1<br>• Optical Fiber Cable Bracket × 1<br>• Power Supply Connector × 1 |        |                                 |                      |        |                                  |                       |                               |                         |             | 3G8F7-CLK13-E |
|                  |                                                                                                                   | GI optical model                                                                                                       |                                                                                                                         |        |                                 |                      |        |                                  |                       |                               |                         |             | 3G8F7-CLK53-E |

## ● Controller Link Options

| Product name                                                                                                      | Specifications                                  | Model      |
|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------|
| Relay Terminal Block for Wired Controller Link Unit                                                               | Use for Wired Controller Link Units (set of 5). | CJ1W-TB101 |
| Controller Link Repeater Unit  | Wire-to-Wire Model                              | CS1W-RPT01 |
|                                                                                                                   | Wire-to-Optical (H-PCF) Model #2                | CS1W-RPT02 |
|                                                                                                                   | Wire-to-Optical (GI) Model #3                   | CS1W-RPT03 |

- \*1. Use the following special cable for shielded, twisted-pair cable.
- ESVC0.5 × 2C-13262 (Bando Electric Wire: Japanese Company)
  - ESNC0.5 × 2C-99-087B (JMACS Japan Co., Ltd.: Japanese Company)
  - ESPC 1P × 0.5 mm<sup>2</sup> (Nagaoka Electric Wire Co., Ltd.: Japanese Company)
  - Li2Y-FCY2 × 0.56qmm (Kromberg & Schubert, Komtec Department: German Company)
  - 1 × 2 × AWG-20PE+Tr.CUSN+PVC (Draka Cables Industrial: Spanish Company)
  - #9207 (Belden: US Company)
- \*2. When using wire-to-optical (H-PCF) cable, use a H-PCF cable (for both Controller Link and SYSMAC LINK) or a H-PCF optical fiber cable with connector.
- \*3. When using wire-to-optical (GI) cable, use a GI optical cable (for Controller Link).
- \*4. Up to four Pre-Ver. 1.2 Controller Link Units (both CS1W-CLK21-V1 Wired Units and CS1W-CLK□2-V1 Optical Units combined) can be mounted to the CS1 CPU Backplane (CS1W-BC□□□) and CS1 Expansion Backplanes (CS1W-BI□□□) of one PLC.
- Up to eight Controller Link Units with unit version 1.2 or later (both CS1W-CLK21-V1 Wired Units and CS1W-CLK□2-V1 Optical Units combined) can be mounted to the CS1 CPU Backplane (CS1W-BC□□□) and CS1 Expansion Backplanes (CS1W-BI□□□) of one PLC.
- \*5. The CD-ROM contains the following software.
- Controller Link (PCI) Driver
  - FinsGateway Version 2003 (PCI-CLK Edition)
  - FinsGateway Version 3 (PCI-CLK Edition)
  - Setup Diagnostic Utility
  - C Library