

EtherCAT Junction Slave GX-JC03/JC06

CSM_GX-JC03_JC06_DS_E_1_1

Realizing flexible wiring solutions

EtherCAT junction slave for open network
realize super high speed machine control



Features



- Realizing flexible wiring by daisy chain and branch
- Compact size as the industry's smallest *
Compact size as width 25 mm (3-port type) realizing space saving on the board
- Power supply voltage operable for long distance wiring
Operable with 24 VDC. The range of power-supply voltage is from maximum 28.8 VDC to minimum 20.4 VDC in consideration of a power voltage drop by long distance wiring.

* As of August 2011 According to our own research.

Ordering Information

International Standards

- The standards are abbreviated as follows: U: UL, U1: UL (Class I Division 2 Products for Hazardous Locations), C: CSA, UC: cULus, UC1: cULus (Class I Division 2 Products for Hazardous Locations), CU: cUL, N: NK, L: Lloyd, and CE: EC Directives.
- Contact your OMRON representative for further details and applicable conditions for these standards.

| Product name | | No. of ports | Power supply voltage | Current consumption (A) | Model | Standards |
|-------------------------|---|--------------|--|-------------------------|----------------|-----------|
| EtherCAT Junction Slave |  | 3 | 20.4 to 28.8 VDC (24 VDC -15 to +20%) | 0.08 | GX-JC03 | CE, UC1 |
| |  | 6 | | 0.17 | GX-JC06 | |

Note: Please do not connect EtherCAT junction slave with OMRON position control unit, Model CJ1W-NC□81/□82.

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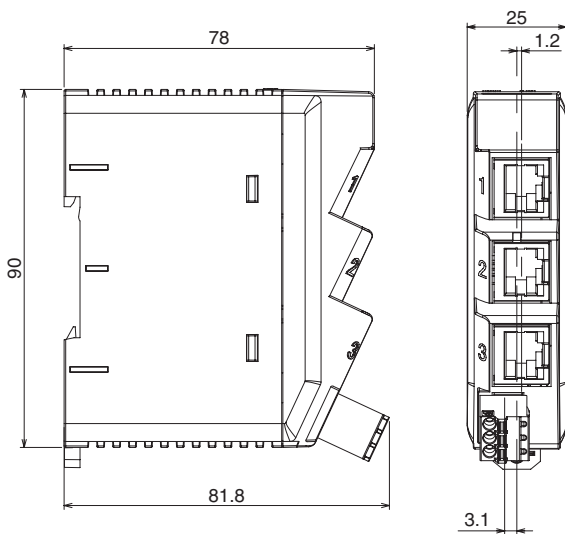
General Specifications

| Item | Specifications | |
|-----------------------|-------------------------------|---|
| | GX-JC03 | GX-JC06 |
| Common Specifications | Power supply voltage | 20.4 to 28.8 VDC |
| | Current consumption | 80 mA / 170 mA |
| | Ambient operating temperature | -10 to 55°C |
| | Ambient operating humidity | 25% to 85% (with no condensation) |
| | Ambient storage temperature | -25 to 65°C |
| | Ambient storage humidity | 25% to 85% (with no condensation) |
| | Dimensions | 25 mm × 78 mm × 90 mm / 48 mm × 78 mm × 90 mm |
| Weight | 165 g / 220 g | |

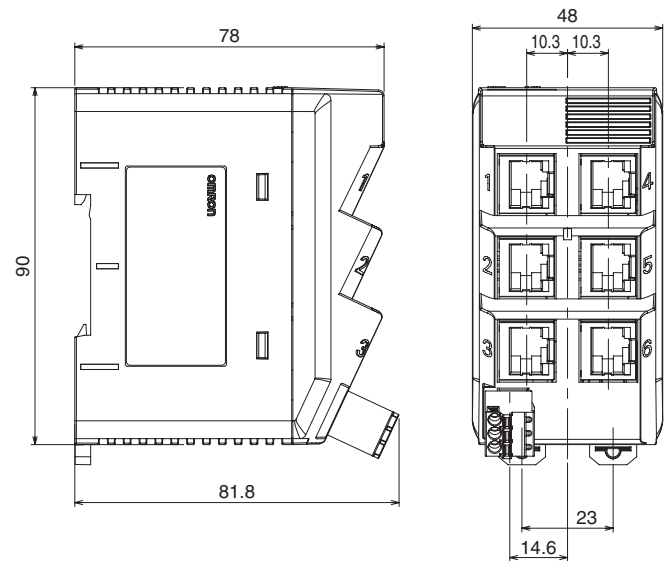
Dimensions

(Unit: mm)

GX-JC03



GX-JC06



Functions

| Summary of Functions | GX-JC03 | GX-JC06 |
|----------------------|-----------------|----------------|
| No. of ports | 3 (1 in 2 out) | 6 (1 in 5 out) |
| No. of nodes | 1 | 2 |
| Indicator | Power, Link/Act | |
| Auto MDI/MDIX | Supported | |
| Reference clock | Supported | |

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2011.9

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