



8 to 64 points per unit – input, output or mixed

Digital I/O units serve as the PLC's interface to achieve fast, reliable sequence control. A full range of units, from high-speed DC inputs to relay outputs, let you adapt CJ1 to your needs.

CJ1 units are available with various I/O densities and connection technologies. Up to 16 I/O points can be wired to units with detachable M3 screw terminals or screwless clamp terminals. High-density 32- and 64- point I/O units are equipped with standard 40-pin flat cable-connectors. Prefabricated cables and wiring terminals are available for easy interfacing to high-density I/O units.

Ordering information

| Points | Type | Rated voltage | Rated current | Width | Remarks | Connection type ^{*1} | Order code |
|--------|--------------------|---------------|---------------|-------|---|-------------------------------|-------------------------------|
| 16 | AC input | 120 VAC | 7 mA | 31 mm | – | M3 | CJ1W-IA111 |
| 8 | AC input | 240 VAC | 10 mA | 31 mm | – | M3 | CJ1W-IA201 |
| 8 | DC input | 24 VDC | 10 mA | 31 mm | – | M3 | CJ1W-ID201 |
| 16 | DC input | 24 VDC | 7 mA | 31 mm | – | M3 Screwless | CJ1W-ID211 CJ1W-ID211(SL) |
| 16 | DC input | 24 VDC | 7 mA | 31 mm | Fast-response (15 µs ON, 90 µs OFF) | M3 | CJ1W-ID212 |
| 16 | DC input | 24 VDC | 7 mA | 31 mm | Inputs start interrupt tasks in PLC program | M3 | CJ1W-INT01 |
| 16 | DC input | 24 VDC | 7 mA | 31 mm | Latches pulses down to 50 µs pulse width | M3 | CJ1W-IDP01 |
| 32 | DC input | 24 VDC | 4.1 mA | 20 mm | – | 1 x Fujitsu | CJ1W-ID231 |
| 32 | DC input | 24 VDC | 4.1 mA | 20 mm | – | 1 x MIL ^{*1} (40 pt) | CJ1W-ID232 |
| 32 | DC input | 24 VDC | 4.1 mA | 20 mm | Fast-response (15 µs ON, 90 µs OFF) | 1 x MIL ^{*1} (40 pt) | CJ1W-ID233 |
| 64 | DC input | 24 VDC | 4.1 mA | 31 mm | – | 2 x Fujitsu | CJ1W-ID261 |
| 64 | DC input | 24 VDC | 4.1 mA | 31 mm | – | 2 x MIL ^{*1} (40 pt) | CJ1W-ID262 |
| 8 | Triac output | 250 VAC | 0.6 mA | 31 mm | – | M3 | CJ1W-OA201 |
| 8 | Relay output | 250 VAC | 2 A | 31 mm | – | M3 Screwless | CJ1W-OC201 CJ1W-OC201(SL) |
| 16 | Relay output | 250 VAC | 2 A | 31 mm | – | M3 Screwless | CJ1W-OC211 CJ1W-OC211(SL) |
| 8 | DC output (sink) | 12 to 24 VDC | 2 A | 31 mm | – | M3 | CJ1W-OD201 |
| 8 | DC output (source) | 24 VDC | 2 A | 31 mm | With short-circuit protection, alarm | M3 | CJ1W-OD202 |
| 8 | DC output (source) | 24 VDC | 0.5 A | 31 mm | With short-circuit protection, alarm | M3 | CJ1W-OD204 |
| 16 | DC output (sink) | 12 to 24 VDC | 0.5 A | 31 mm | – | M3 Screwless | CJ1W-OD211 CJ1W-OD211 (SL) |
| 16 | DC output (source) | 24 VDC | 0.5 A | 31 mm | With short-circuit protection, alarm | M3 Screwless | CJ1W-OD212 CJ1W-OD212 (SL) |
| 16 | DC output (sink) | 24 VDC | 0.5 A | 31 mm | Fast-response (15 µs ON, 80 µs OFF) | M3 | CJ1W-OD213 |
| 32 | DC output (sink) | 12 to 24 VDC | 0.5 A | 20 mm | – | 1 x Fujitsu | CJ1W-OD231 |
| 32 | DC output (source) | 24 VDC | 0.3 A | 20 mm | With short-circuit protection, alarm | 1 x MIL ^{*1} (40 pt) | CJ1W-OD232 |
| 32 | DC output (sink) | 24 VDC | 0.5 A | 20 mm | Fast-response (15 µs ON, 80 µs OFF) | 1 x MIL ^{*1} (40 pt) | CJ1W-OD234 |
| 64 | DC output (sink) | 12 to 24 VDC | 0.3 A | 31 mm | – | 2 x Fujitsu | CJ1W-OD261 |
| 64 | DC output (source) | 24 VDC | 0.3 A | 31 mm | – | 2 x MIL ^{*1} (40 pt) | CJ1W-OD262 |
| 16+16 | DC in+out (source) | 24 VDC | 0.5 A | 31 mm | – | 2 x MIL ^{*1} (20 pt) | CJ1W-MD232 |
| 32+32 | DC in+out (sink) | 24 VDC | 0.3 A | 31 mm | – | 2 x MIL ^{*1} (40 pt) | CJ1W-MD263 |
| 32+32 | DC in+out (TLL) | 5 VDC | 35 mA | 31 mm | – | 2 x MIL ^{*1} (40 pt) | CJ1W-MD563 |

*1 MIL = connector according to MIL-C-83503 (compatible with DIN 41651/IEC 60603-1).

Note: All digital I/O unit are designated as basic I/O units.

Accessories

| Description | Connection type | Order code |
|---|-----------------|----------------|
| Replacement 18-point screwless terminal blocks for I/O units, pack of 5 pcs. | Screwless | CJ-WM01-18P-5 |
| Replacement 18-point screw terminal blocks for I/O units, pack of 5 pcs. | M3 | CJ-OD507-18P-5 |
| I/O terminal block (40×M3 screw) for XW2Z-___K | MIL (40pt) | XW2D-40G6 |
| Connection cable between I/O terminal block and I/O unit (___ = length in cm) | MIL (40pt) | XW2Z-___K |