Standard CPU Module Specifications

C0-01DD2-D

8 DC Input/6 Sourcing DC Output Micro PLC

Wiring Diagram

C0-01DD2-D

NOTE: When using Standard CPUs, you must use CLICK programming software version V1.20 or later.

Equivalent Input Circuit

Equivalent Output Circuit

C0-01DD2-D Built-in I/O Specifications - Inputs

Inputs per Module: 8 (Sink/Source)
Operating Voltage Range: 24 VDC
Input Voltage Range: 2.16 - 26.4 VDC
Input Current:
- X1-2: Typ 5 mA @ 24 VDC
- X3-8: Typ 4 mA @ 24 VDC
Maximum Input Current:
- X1-2: 6.0 mA @ 26.4 VDC
- X3-8: 5.0 mA @ 26.4 VDC
Input Impedance:
- X1-2: 4.7 kΩ @ 24 VDC
- X3-8: 6.8 kΩ @ 24 VDC
ON Voltage Level:
- X1-2: > 19 VDC
- X3-8: > 19 VDC
OFF Voltage Level:
- X1-2: < 4 VDC
- X3-8: < 7 VDC
Minimum ON Current:
- X1-2: 4.5 mA
- X3-8: 3.5 mA
Maximum OFF Current:
- X1-2: 0.1 mA
- X3-8: 0.5 mA
OFF to ON Response:
- X1-2: Typ 5 µs; max 20 µs
- X3-8: Typ 2 ms; max 10 ms
ON to OFF Response:
- X1-2: Typ 5 µs; max 20 µs
- X3-8: Typ 3 ms; max 10 ms
Status Indicators:
- Logic Side (8 points, green LED)
- Commons: 2 (4 points/common) Isolated

C0-01DD2-D Built-in I/O Specifications - Outputs

Outputs per Module: 6 (Source)
Operating Voltage Range: 24 VDC
Output Voltage Range: 19.2-30 VDC
Maximum Output Current:
- Y1: 1.0 A @ 0.1 A
- Y2-6: 0.5 A @ 0.1 A
Minimum Output Current:
- 0.2 mA
Maximum Leakage Current:
- 0.1 mA @ 30 VDC
On Voltage Drop:
- Y1: 1.0 VDC @ 0.1 A
- Y2-6: 0.5 VDC @ 0.1 A
Maximum Inrush Current:
- 150 mA for 10 ms
OFF to ON Response:
- Y1: Typ 5 µs; max 20 µs
- Y2-6: < 0.5 ms
ON to OFF Response:
- Y1: Typ 5 µs; max 20 µs
- Y2-6: < 0.5 ms
Status Indicators:
- Logic Side (6 points, red LED)
- Commons: 1 (6 points/common)

General Specifications

Current Consumption at 24VDC: 140 mA
Terminal Block Replacement Part No.: C0-16TB
Weight: 5.0 oz (140 g)

ZipLink Pre-Wired PLC Connection Cables and Modules

ZL-RFB20 20-pin feed-through connector module

20-pin connector cable
ZL-CO-CBL20 (0.5 m length)
ZL-CO-CBL20-1 (1.0 m length)
ZL-CO-CBL20-2 (2.0 m length)