

Yokogawa F3WD64-3P

Yokogawa F3WD64-3P Input/Output Module (sink, short-circuit protector)

[Input block] Input type: DC voltage

[Input block] Number of inputs: 32 (Terminal Nos. 01 to 32)

[Input block] Common line type: 8 points/common

[Input block] Isolation method: Photocoupler Isolation

[Input block] Withstanding voltage: 1500 V AC for one minute between the group of terminals for external connection and the internal circuit

[Input block] Rated input voltage (Operating voltage range): 24V DC (20.4 to 26.4V DC)

[Input block] Rated input current: 4.1 mA/point (24 V DC)

[Input block] Operating voltage/current — ON: 16 V DC min. 3.2 mA min.

[Input block] Operating voltage/current — OFF: 5.8 V DC max. 0.9 mA max.

[Input block] Response time — OFF → ON: Input sampling time can be specified for 4 steps: Always (0 μ s), 62.5 μ s, 250 μ s and 1ms. *1

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[Input block] Interrupt: None

[Input block] Maximum ratio of inputs turned on simultaneously: 60%

[Output block] Output type: Transistor contact (sink type)

[Output block] Number of outputs: 32 (Terminal Nos. 33 to 64)

[Output block] Common line type: 8 points/common

[Output block] Isolation method: Photocoupler isolation

[Output block] Rated load voltage (Operating voltage range): 24 V DC (20.4 to 26.4 V DC)

[Output block] Maximum load current: 0.1 A/point 0.4 A/common

[Output block] Response time — OFF → ON: 1 ms max.

[Output block] Response time — ON → OFF: 1 ms max.

[Output block] ON voltage: 0.5 V DC max.

[Output block] OFF-time leakage current: 0.1 mA max.

[Output block] Protectors *2 — Short-circuit: Limit the output current or output shutdown

[Output block] Protectors *2 — Overheat: Output shutdown

[Output block] Surge Protector *3: Active clamp circuit

[Output block] Fuse: None

[Output block] Output status when program stops *4 HOLD/RESET: When a sequence CPU is used: Initial value: RESET, Can be set globally on a module-by-module basis *5. When a BASIC CPU is used: No setting function; the status is always HOLD. When an OS-free CPU is used: Initial value: HOLD, Can be specified for each set of 8 points.

[Output block] External power supply: 24 V DC, 55 mA

[Common] Withstanding voltage: 1500 V AC for one minute between the group of terminals for

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external connection and the internal circuit

[Common] Input/Output status indication *6: Lit when status is on (Input or output status indication can be selected using a switch.)

[Common] Current consumption: 170 mA (5V DC)

[Common] External connection: Two 40-pin connectors

[Common] Weight: 120 g

Operating environment: There is no restriction on the type of CPU modules that can be used with this module.

Model and suffix codes: F3WD64 -3P — 24 V DC input/output (with short-circuit protector)

Surrounding air temperature range: Operating: 0 to 55° C / Storage: -20° C to 75° C

Surrounding humidity range: Operating: 10 to 90% RH (non-condensing) / Storage: 10 to 90% RH (non-condensing)

Surrounding atmosphere: Must be free of corrosive gases, flammable gases or heavy dust.



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