

# Yokogawa F3YD64-1R

Yokogawa F3YD64-1R Transistor Output Module (source, short-circuit protector)

Output type: Transistor contact (source-type)

Number of points: 64

Common line type: 8 points/common

Isolation method: Photocoupler isolation

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

Rated load voltage \*1 (Operating voltage range): 12 to 24 V DC (10.2 to 26.4 V DC)

Maximum load current: 0.1 A/point 0.4 A/common

Response time — OFF→ON: 1 ms max.

Response time — ON→OFF: 1 ms max.

ON voltage: 0.5 V DC max.

Off-time leak current: 0.1 mA max.

Service life — Mechanical: —

Protectors \*2 — Short-circuit: Limit the output current or output shutdown

Protectors \*2 — Overheat: Output shutdown

Surge Protector \*3: None

Fuse: None

Current consumption: 275 mA (5 V DC)

Output display \*4: LED (Lit when outputs are turned on for a switched LED group)

Output status when program stops \*5 HOLD/RESET: When a sequence CPU is used: Initial value: RESET, All module outputs can be set collectively.\*6 When a BASIC CPU is used: No setting function; always set to HOLD. When an OS-free CPU is used: Initial value: HOLD, Can be specified for each set of 8 points.

External power supply \*1: 12 to 24 V DC 110 mA

External connection: Two 40-pin connectors

Weight: 130 g

Operating environment: This module is compatible with all CPU module types.

Model and suffix codes: F3YD64 -1R . . . . . — 64-point transistor output with short-circuit protector

Note \*1: The external power supply and the load power supply must be identical. Using separate power sources is not allowed even if they have the same voltage.

Note \*2 (protection circuitry): If short-circuit occurs, the output current is limited or the output is turned off for a certain period of time. If the short-circuit condition persists, the temperature of the output element will rise. When the internal temperature of the output element exceeds a certain temperature, overheat protection is activated and the output is turned off. Short-circuit protectors control outputs individually. Overheat protectors control outputs in 8 units

You can contact us through the following contact information

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(OUT1-OUT8, OUT9-OUT16, ...OUT57-OUT64).

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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