

Yokogawa F3YD32-1H

YOKOGAWA F3YD32-1H Output type: Transistor contact (sink type)

Number of points: 32

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 (Operating voltage range): 12 to 24 V DC (10.2 to 26.4 V DC)

Maximum load current: 0.1 A/point 0.5 A/common

Response time — OFF→ON: 0.1 ms max.

Response time — ON→OFF: 0.1 ms max.

ON voltage: 0.5 V DC max.

Off-time leak current: 0.1 mA max.

Service life — Mechanical: —

Protectors *1 — Short-circuit: Limits short-circuit current.

Protectors *1 — Overheat: Shuts off output when overheat is detected.

Surge Protector *2: Active clamp

Fuse: None

Current consumption: 165 mA (5 V DC)

Output display *3: LED (Lit when output is on)

Output status when program stops *4 HOLD/RESET: When a sequence CPU is used: Initial value: RESET, All module outputs can be set collectively. *5 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: 12 to 24 V DC, 30 mA

External connection: One 40-pin connector

Weight: 110 g

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

Model and suffix codes: F3YD32 -1H — Transistor output, 32 points (high-speed output with short-circuit protector)

Note *1 (protection circuitry): If short-circuit occurs, the ON voltage increases and the short-circuit current is limited within the range 1-3 A. If the short-circuit condition is removed, normal operation resumes. If the short-circuit condition persists, the short-circuit current may cause the temperature of the output element to reach approx. 160 ° C, triggering the overheat protector to shut down the output. If the temperature of the overheated output element then drops by approximately 10 ° C, normal operation resumes. Never leave the module in prolonged short-circuit condition.

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

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

(non-condensing)

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



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