Yokogawa F3YD32-1R

F3YD32-1R Yokogawa Transistor Output Module (source, short-circuit protector)
Output type: Transistor contact (source-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 *1 (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: 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: 170 mA (5 V DC)
Output display *4: LED (Lit when output is on)
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 60 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 -1R . . . . . — 32-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 (OUT1-OUT8, OUT9-OUT16, ⋯OUT57-OUT64).

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

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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