

PROSAFE-RS FIO DIGITAL OUTPUT MODULES

# Product Data Sheet

## SDV531-L33 S4

digital output module

|                                   |                                                 |                 |                   |
|-----------------------------------|-------------------------------------------------|-----------------|-------------------|
| FUNCTION<br>digital output module | FAMILY<br>ProSafe-RS FIO digital output modules | ORIGIN<br>Japan | WEIGHT<br>0.50 kg |
|-----------------------------------|-------------------------------------------------|-----------------|-------------------|

Yokogawa ProSafe-RS SDV531-L33 S4 is a digital output module for the ProSafe-RS FIO digital output modules. The values below are limited to the exact documented article.

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## VERIFIED TECHNICAL DATA

|                       |                               |
|-----------------------|-------------------------------|
| Output channels       | 8 isolated channels           |
| Rated output voltage  | 24 V DC                       |
| Output voltage drop   | 1 V maximum                   |
| External power supply | 24 V DC +20/-10%, 5 A minimum |
| Output current        | 0.6 A maximum per line        |
| Total load current    | 4.8 A maximum                 |
| Minimum load current  | 35 mA                         |
| Load resistance       | 40 to 685 ohm                 |
| Output response time  | 30 ms maximum                 |
| Withstand voltage     | 2 kV AC for 1 minute          |

## ADDITIONAL PRODUCT DATA

|                          |                                           |
|--------------------------|-------------------------------------------|
| 5 V current consumption  | 280 mA                                    |
| 24 V current consumption | 140 mA                                    |
| Module construction      | Long-distance type                        |
| Operating style          | S4                                        |
| Module mass              | 0.28 kg with pressure-clamp/MIL connector |

## OFFICIAL APPLICATIONS

- Emergency shutdown valve stations: Safety Instrumented Systems
- Reactor interlock and shutdown panels: Process Safety Systems
- Boiler and turbine protection cabinets: Plant Protection Systems

## SYSTEM COMPATIBILITY

Match SDV531-L33 S4 to the installed ProSafe-RS FIO digital output modules, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

## OFFICIAL SOURCES

[Yokogawa official manufacturer documentation](#)

Official manufacturer documentation

AMIKON PRODUCT SUPPORT

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