

PROSAFE-RS FIO DIGITAL OUTPUT MODULES

Product Data Sheet

SDV541-S33/PRP S3

digital output module

FUNCTION	FAMILY	ORIGIN	WEIGHT
digital output module	ProSafe-RS FIO digital output modules	Japan	0.50 kg

Yokogawa ProSafe-RS SDV541-S33/PRP S3 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	16 isolated channels
Rated output voltage	24 V DC
Output voltage drop	1 V maximum
External power supply	24 V DC +20/-10%, 3.4 A minimum
Output current	0.2 A maximum per line
Total load current	3.2 A maximum
Minimum load current	35 mA
Load resistance	120 to 685 ohm
Output response time	30 ms maximum
Withstand voltage	2 kV AC for 1 minute

ADDITIONAL PRODUCT DATA

5 V current consumption	300 mA
24 V current consumption	150 mA
Module construction	Standard type
Option code	/PRP prevention pin
Module mass	0.29 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 SDV541-S33/PRP S3 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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