

PROSAFE-RS FIO DIGITAL I/O

Product Data Sheet

SDV144-S13 S1

digital input module

FUNCTION digital input module	FAMILY ProSafe-RS FIO digital I/O	ORIGIN Japan	WEIGHT 0.36 kg
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Yokogawa ProSafe-RS SDV144-S13 S1 is a digital input module for the ProSafe-RS FIO digital I/O. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Input Channels	16, module-isolated
Input Signal	No-voltage contact
ON Resistance	1 k Ω maximum
OFF Resistance	100 k Ω minimum
Input Current	6 mA $\pm$ 20%
Contact Rating	24 V DC +20%/-10%, 10 mA minimum
External Supply	24 V DC +20%/-10%
Maximum Input	30.0 V DC instantaneous
Response Time	40 ms maximum
Withstand Voltage	2 kV AC for 1 minute

ADDITIONAL PRODUCT DATA

5 V Consumption	290 mA maximum
24 V Consumption	140 mA maximum
Diagnostic Elements	SCB100 and SCB110 supported
Communication option	Standard non-HART type
Style code	S1

OFFICIAL APPLICATIONS

- Safety digital-input assemblies: ProSafe-RS Input Systems
- Open- and short-circuit checks: Input Diagnostic Systems
- Discrete trip and permissive inputs: Safety Instrumented Systems

SYSTEM COMPATIBILITY

Match SDV144-S13 S1 to the installed ProSafe-RS FIO digital I/O, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Yokogawa official General Specifications](#)

<https://web-material3.yokogawa.com/GS32Q06K40-31E.pdf>

AMIKON PRODUCT SUPPORT

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