

TRICONEX SAFETY SYSTEMS

Product Data Sheet

DI3301 S2

Digital input module

INPUT POINTS	NOMINAL INPUT VOLTAGE	OPERATIONAL VOLTAGE RANG	WEIGHT
32 commoned channels	24 V DC	15–30 V DC	1.3 kg

Triconex DI3301 S2 is a Digital input module used with the Trident safety system. Verify the complete product identity and installed configuration before replacement.

01

VERIFIED TECHNICAL DATA

Module Type	TMR digital input module
Input Points	32 commoned channels
Nominal Input Voltage	24 V DC
Operational Voltage Range	15–30 V DC
Maximum Input Voltage	33 V DC
Maximum Reverse Voltage	–0.6 V DC
Input Delay	Below 10 ms in either direction
Filter Time Constant	6.4 ms
Input Impedance	Approximately 3 kΩ with baseplate
Input Power at 24 V	0.2 W per point

02 ADDITIONAL TECHNICAL DATA

Off-state Region	0–5 V DC
Transition Region	6–14 V DC
On-state Region	15–30 V DC qualifies as ON
Diagnostic Method	Force-to-value diagnostic
ADC Scan Time	Below 1 ms for all 32 points

03 PRODUCT IDENTITY AND FUNCTION

The exact DI3301 S2 identity describes a Digital input module. Match its ratings, suffixes, connectors and system position with the installed Triconex equipment. Preserve approved configuration and maintenance records.

04 OFFICIAL APPLICATIONS

- Process safety and emergency shutdown maintenance
- Fire and gas protection system lifecycle support
- Exact-model replacement in documented Triconex configurations

05 SYSTEM AND COMMERCIAL REFERENCES

Product	DI3301 S2
Manufacturer	Triconex / Schneider Electric
Origin	United States
HS reference	8538900000
Packed size	4.3 × 18.8 × 21.8 cm
Shipping weight	1.3 kg
Warranty	12 months from AMIKON

AMIKON PRODUCT SUPPORT

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