

TRICONEX SAFETY SYSTEMS

Product Data Sheet

AI 3351S2

Analog input module

INPUT POINTS	NOMINAL INPUT CURRENT	OPERATIONAL CURRENT RANG	WEIGHT
32 commoned channels	4–20 mA DC	2–22 mA DC	1.3 kg

Triconex AI 3351S2 is a Analog 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 analog input module
Input Points	32 commoned channels
Nominal Input Current	4–20 mA DC
Operational Current Range	2–22 mA DC
Maximum Field Voltage	33 V DC
Maximum Reverse Voltage	–0.6 V DC
Maximum Input Current	50 mA DC
Input Bandwidth	16 Hz at –3 dB
Source Impedance	180 Ω
Input Impedance	250 Ω with baseplate

02 ADDITIONAL TECHNICAL DATA

Conversion Resistor	100 Ω $\pm$ 0.01%
Resolution	12 bits
Absolute Error	0.15% of 20 mA full scale
Diagnostic Method	Force-to-value diagnostic
Scan Time	Less than 1 ms for all points

03 PRODUCT IDENTITY AND FUNCTION

The exact AI 3351S2 identity describes a Analog 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	AI 3351S2
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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