

AMIKON LIMITED

TRICONEX SAFETY SYSTEMS

Product Data Sheet

PI3381

Pulse input module

INPUT POINTS 6 channel-isolated inputs	INPUT CIRCUIT Differential, commoned grou	SENSOR COMPATIBILITY Magnetic, active and open c	WEIGHT 1.4 kg
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Triconex PI3381 is a Pulse 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 pulse input module
Input Points	6 channel-isolated inputs
Input Circuit	Differential, commoned ground
Sensor Compatibility	Magnetic, active and open collector
Maximum Operating Voltage	±33 V DC
Differential Sensitivity	500 mV peak-to-peak above 2 Hz
Single-ended Sensitivity	1 V peak-to-peak above 2 Hz
Speed Range	0–32,000 RPM
Frequency Range	0.5 Hz–32 kHz
Duty Cycle	20–80% or 10 µs minimum pulse

02 ADDITIONAL TECHNICAL DATA

Maximum Slew Rate	4,000 Hz/s with 60 gear teeth
Gear Teeth Setting	1–255
Resolution	24 bits
High-range Accuracy	±0.01% from 2–32 kHz
Minimum Update Rate	20 ms

03 PRODUCT IDENTITY AND FUNCTION

The exact PI3381 identity describes a Pulse 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	PI3381
Manufacturer	Triconex / Schneider Electric
Origin	United States
HS reference	8538900000
Packed size	4.3 × 18.8 × 21.8 cm
Shipping weight	1.4 kg
Warranty	12 months from AMIKON

AMIKON PRODUCT SUPPORT

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