

TRICON PULSE INPUT

Product Data Sheet

3511

Pulse Input Module

POINTS	RANGE	UPDATE	POWER
8	20-20,000 Hz	25 ms	<20 W

Triconex 3511 is an eight-point, non-commoned Pulse Input Module for high-frequency signals from non-amplified magnetic speed sensors used on rotating equipment.

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VERIFIED TECHNICAL DATA

Product type	Pulse Input Module
Input signals	8, non-commoned
Frequency range	20 Hz to 20,000 Hz
Update rate	25 ms typical
Accuracy	+/-0.01% at 1,000-20,000 Hz
Load impedance	>8 kOhm, 20 kOhm typical
Common-mode range	-100 V to +100 V peak-to-peak
Normal-mode range	1.5 V to 200 V peak-to-peak

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ADDITIONAL VERIFIED DATA

Over-range protection	+/-150 VDC continuous
Logic power	<20 W
Slot keying	I/O slot keys: top 004, bottom 001
Source	Tricon v9-v10 Planning and Installation Guide

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ENGINEERING NOTES

- Use AC-coupled, balanced differential pulse inputs.
- Connect only documented non-amplified magnetic speed sensors or equivalent supported sources.
- Verify polarity, shielding, separation and field termination before insertion.
- Do not exceed the documented common-mode, normal-mode or over-range limits.
- Confirm all eight input-activity indicators respond to the connected signals.
- Verify PASS, FAULT and ACTIVE module-status indications.
- Check frequency scaling and the configured measurement window in the application.
- Investigate sustained channel mis-compares before returning the loop to service.

Verify the exact model, slot keying, field wiring and controlled application before replacement.