

3500 SYSTEM

Product Data Sheet

3500/53M 286566-01

Overspeed Detection Module

FUNCTION Overspeed Detection Module	FAMILY 3500 System	ORIGIN USA	WEIGHT 0.92 kg
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3500 System 3500/53M 286566-01 is a Overspeed Detection Module for the 3500 System. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Input Impedance	20 k Ω
Power Consumption	8.0 watts, typical.
Output Impedance	550 Ω .
Transducer Power Supply	-24 Vdc, 40 mA maximum
Voltage Compliance	0 to +12 Vdc range across load
Load resistance is	0 to 600
Min switched current	100 mA @ 5 Vdc
Contact Life	100,000 @ 5 A, 24 Vdc or 120 Vac
Exact Part Number	3500/53M 286566-01
Product Family	3500 System

ADDITIONAL PRODUCT DATA

Component Type	Overspeed Detection Module
Channel Capacity	2 channels
Rack Space	One full-height slot
Backplane Supply	3500/3300 rack power
Input Type	Condition-monitoring transducer

OFFICIAL APPLICATIONS

- Apply the documented Overspeed Detection Module: Use 3500/53M 286566-01 in the documented 3500 System measurement or protection channel. Match the exact order code, installed position, signal range and monitored machine function before work.
- Restore the recorded Overspeed Detection Module connections: Photograph terminals, coaxial connectors, shields, earth points, rack slot and adjacent hardware before removing 3500/53M 286566-01. Restore each connection to the controlled drawing.
- Validate the complete Overspeed Detection Module signal path: After installing 3500/53M 286566-01, check transducer supply, gap or zero, signal response, alarms and rack diagnostics. Record the measured values before releasing the machine channel.

SYSTEM COMPATIBILITY

Match 3500/53M 286566-01 to the installed 3500 System, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Bently Nevada 3500/53M 286566-01 manufacturer documentation](#)

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AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM