

TRICON HIGH-CURRENT ANALOG OUTPUT

Product Data Sheet

3806E

High-Current TMR Analog Output Module

OUTPUTS	STANDARD	HIGH CURRENT	RESOLUTION
8	6 x 4-20 mA	2 x 20-320 mA	12 bit

Triconex 3806E is an eight-point TMR Analog Output Module with six 4-20 mA outputs and two 20-320 mA high-current outputs. It uses commoned return and external loop power.

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VERIFIED TECHNICAL DATA

Product type	High-Current TMR Analog Output Module
Output points	8, commoned return, DC-coupled
Standard outputs	6 at 4-20 mA
High-current outputs	2 at 20-320 mA
Resolution	12 bits
Recommended loop voltage	24-32 VDC, 3 A minimum
Extended loop voltage	20-36 VDC, 3 A minimum
Standard over-range	2-21.2 mA

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ADDITIONAL VERIFIED DATA

High-current over-range	20-339.2 mA
Logic power	<15 W
Slot keying	I/O slot keys: top 006, bottom 003
Source	Tricon v9-v10 Planning and Installation Guide

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ENGINEERING NOTES

- Provide redundant external loop power through the documented termination panel.
- Use points 2-4 and 6-8 only for 4-20 mA loads and points 1 and 5 for 20-320 mA loads.
- Verify load resistance against the selected loop voltage before commissioning.
- Observe the documented total-current and ambient-temperature de-rating limits.
- Verify PASS, FAULT, ACTIVE, LOAD, PWR1 and PWR2 indications.
- Measure representative 4-20 mA and 20-320 mA outputs against approved commands.
- Confirm open-loop detection and both loop-power sources.
- Check the configured load, external power, temperature de-rating and channel-fault transfer time.

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