

TRICONEX SAFETY SYSTEM

Product Data Sheet

AO 3481

TMR analog output module

FUNCTION	FAMILY	ORIGIN	WEIGHT
TMR analog output module	Triconex safety system	United States	1.48 kg

Triconex AO 3481 is a TMR analog output module for the Triconex safety system. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Module Type	TMR analog output module
Output Points	4 commoned-return channels
Controlled Output Range	4–20 mA
Over-range Output	0–22 mA
Zero Output Capability	0 mA step below 2 mA
Output Accuracy	Below 0.25% of 0–22 mA FSR
Resolution	12 bits
Diagnostic Method	Forced-switch diagnostic
Nominal Loop Power	24 V DC external
Maximum Loop Power	32 V DC

ADDITIONAL PRODUCT DATA

Load at 20 V DC	500 Ω
Load at 24 V DC	700 Ω
Over-voltage Protection	36 V DC continuous
Leg-failure Switch Time	1 ms typical; 3 ms maximum
Isolation to Protective Earth	500 V DC minimum

OFFICIAL APPLICATIONS

- Safety control: Configured shutdown and process-protection logic
- Field integration: Documented input, output or communication circuits
- Lifecycle service: Diagnostics and controlled replacement testing

SYSTEM COMPATIBILITY

Match AO 3481 to the installed Triconex safety system, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

Trident Planning Installation Guide

<https://www.se.com/ww/en/product-range/63717-triconex-safety-systems/>

AMIKON PRODUCT SUPPORT

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