

TRICONEX SAFETY SYSTEM

Product Data Sheet

3805EN

TMR analog output module

FUNCTION TMR analog output module	FAMILY Triconex safety system	ORIGIN United States	WEIGHT 3.3 kg
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Triconex 3805EN 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

Component Type	TMR analog output module
Order Reference	3805EN
System Platform	Triconex safety control system
Primary Function	Drives process current loops
Channel or Port Capacity	Eight analog output points
Electrical Classification	4–20 mA DC-coupled outputs
Compatible Hardware	9853-610 termination panel
Mounting Arrangement	Tricon I/O chassis
Connection Interface	TMR current-loop channels
Diagnostic Coverage	Output voting and loop diagnostics

ADDITIONAL PRODUCT DATA

Documented Variant	Nuclear analog output variant
Operating Environment	0 to 60 °C controller service
Storage Environment	–40 to 75 °C equipment storage
Relative Humidity	5 to 95% non-condensing
Commissioning Requirement	Verify every affected safety path

OFFICIAL APPLICATIONS

- Drive 4–20 mA final devices: Use each DC-coupled output only with the documented valve, positioner or current-loop destination and scaling.
- Maintain TMR output integrity: Review channel voting and loop diagnostics so one internal fault does not conceal an incorrect commanded current.
- Calibrate field response: Command several safe output values, measure loop current at the termination panel and record device travel or response.

SYSTEM COMPATIBILITY

Match 3805EN 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

Tricon Technical Product Guide

<https://www.se.com/ww/en/work/products/industrial-automation-control/triconex-safety-systems/>

AMIKON PRODUCT SUPPORT

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