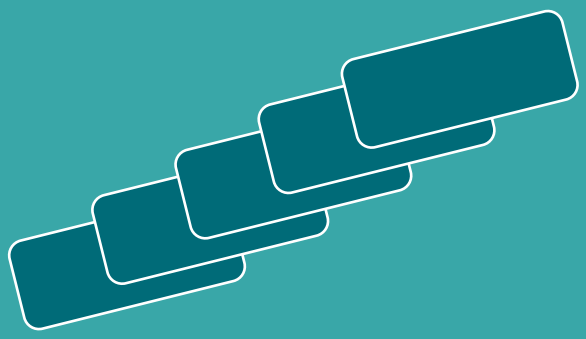
APTER POWER
INDUSTRIAL AUTOMATION

MANUFACTURER-SOURCE TECHNICAL REFERENCE

TRICONEX 3625

Safety Output Integration Guide

Tricon 32-Point TMR 24 V DC Digital Output Module



DOCUMENT SCOPE

Independent Apter Power manual compiled only from the cited manufacturer sources. No product photograph is included.

Product / lookup identity	TRICONEX 3625
Reference number	3625
Document basis	Published product records, PDFs, and manuals listed on page 3

Product page

https://www.apterpower.com/Invensys/triconex-3625

Apter Power contact

sales13@apterpower.com | +86 180 3023 5313

Safety-output signal and termination path

Triconex 3625 is a 24 V DC, 32-point Triple Modular Redundant supervised or non-supervised digital output module for Tricon safety and critical-control systems. It receives triplicated output commands over the Tricon I/O bus, votes the three command paths through fault-tolerant output switching, and sources commoned DC output signals to connected field loads.

01	The application program issues a digital output command through the three Tricon processing paths.
02	The 3625 receives the triplicated commands over the I/O bus and votes them in its fault-tolerant output-switch circuitry.
03	One voted 24 V DC output is sourced through the selected termination products to the field load.
04	Voltage and current loopback diagnostics check the output switch, field circuit and load according to the point configuration.
05	Module and per-point indicators report output state, module health and load-related alarms.

Output supervision and system boundaries

01	Verification Status: VERIFIED_FROM_OFFICIAL_MANUFACTURER_MANUAL
02	Lifecycle Status: No model-specific public lifecycle statement was found on the current Schneider Electric site; do not guess Active, Classic, or Obsolete.
03	Country Of Origin: Not published in the cited official manufacturer sources.

Safety-output integration checks

01	Use qualified safety-system personnel and follow the current Tricon planning, installation and field-termination documentation.
02	Verify that the controller is version 10.2 or later and that the exact chassis, firmware and TriStation project support model 3625.
03	Select two compatible 16-point termination products and confirm field voltage, load current, inrush current, wiring and supervision thresholds.
04	Do not remove or replace hardware in a hazardous location unless the area is known to be free of ignitable gas concentrations and the applicable approval permits the work.
05	Validate every safety function, point state, diagnostic alarm and final element before returning the process to service.

Identity and release controls

Verification Status	VERIFIED_FROM_OFFICIAL_MANUFACTURER_MANUAL