

TRICON 24 VDC SUPERVISED OUTPUT

Product Data Sheet

3625

TMR Digital Output Module

OUTPUTS	VOLTAGE	SUPERVISION	POWER
32	16-32 VDC	Per point	<13 W

Triconex 3625 is a 32-point commoned TMR Digital Output Module for supervised or non-supervised 24 VDC circuits. It supports energize-to-trip and de-energize-to-trip applications in Tricon v10.2 and later systems.

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VERIFIED TECHNICAL DATA

Product type	TMR Digital Output Module
Output signals	32, commoned
Nominal voltage	24 VDC
Recommended voltage	16-32 VDC
Maximum voltage	36 VDC
Current rating	1.70 A per point maximum
Surge current	5 A for 7 ms
Minimum load	10 mA

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ADDITIONAL VERIFIED DATA

Point supervision	Programmable per point
Logic power	<13 W
Slot keying	I/O slot keys: top 006, bottom 007
Source	Tricon v9-v10 Planning and Installation Guide

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ENGINEERING NOTES

- Use the documented 16-point commoned field termination panels for the 32 output points.
- Verify common return, 24 VDC field power and the 10 A per termination-panel limit.
- Configure supervision and short/open detection thresholds separately for each required point.
- Confirm the connected loads are suitable for the documented 4 mA maximum leakage current.
- Verify all point-state indicators and PASS, FAULT, LOAD and ACTIVE status.
- Test energize-to-trip or de-energize-to-trip behavior with the process in a safe condition.
- Confirm supervised points detect the authorized open- and short-circuit test conditions.
- Verify the Tricon system is v10.2 or later before returning the module to service.

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