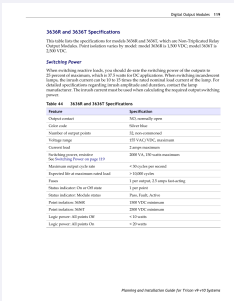


AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

Triconex 3636T

Relay Output Module



CONTACTS	VOLTAGE	CURRENT	SOURCE
32 NO	155 VAC/VDC max	2 A max	9720077-012

Triconex 3636T is a non-triplicated Relay Output Module with thirty-two non-commoned, normally open output contacts. Its exact-model point-isolation minimum is 2500 VDC.

01 VERIFIED PRODUCT PARAMETERS

Output architecture	Non-triplicated relay outputs
Output points	32, non-commoned
Contact arrangement	Normally open
Maximum switched voltage	155 VAC/VDC
Maximum load current	2 A
Resistive switching power	2000 VA; 150 W maximum
Reactive-load derating	25% of maximum switching power; 37.5 W for DC
Maximum output cycle rate	Less than 30 cycles per second
Expected life at maximum rated load	More than 10,000 cycles
Field fuse requirement	One 2.5 A fast-acting fuse per output

Technical values were verified against Invensys 9700077-012, February 2009.

02 ADDITIONAL TECHNICAL DATA

Point isolation minimum	2500 VDC
Logic power with all points off	Less than 10 W
Logic power with all points on	Less than 20 W
Module status indicators	Pass, Fault and Active
Point indicator behavior	Only the primary module asserts point LEDs

03 SYSTEM ROLE AND APPLICATIONS

Match the connected load to the 155 VAC/VDC voltage ceiling, 2 A current limit and applicable switching-power limits. Reactive and incandescent loads require separate assessment; point indicators are asserted only by the primary module.

- Use the documented 2500 VDC minimum for 3636T when reviewing the system interface. Keep this isolation specification separate from the 155 VAC/VDC maximum switched voltage.
- Assess lamp inrush rather than nominal running current alone. The guide warns that inrush can reach ten to fifteen times the nominal lamp current and directs users to lamp-manufacturer data.
- Compare the required output cycle rate and operating duty with the documented relay limits. Expected life is specified at maximum rated load and is not an unrestricted service-life guarantee.

04 OFFICIAL INSTALLATION FACTS

- Confirm the exact relay model and its point-isolation requirement.
- Check field fuses, load current and the applicable switching-power derating.
- Resolve field faults before replacing an I/O module.
- Confirm the replacement or hot spare is Active and the faulty module is not Active before removal.

05 OFFICIAL DOCUMENTATION

Invensys 9700077-012, February 2009

AMIKON PRODUCT SUPPORT

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