

AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

Triconex 3636R

Relay Output Module

Relay Output Module - 3636

3636R and 3636T Specifications

The following table provides the specifications for 3636R and 3636T, which are Non-Triplicated Relay Output Modules. Data is taken from the 3636R and 3636T data sheets.

Switching Power

When switching inductive loads, you should derate the switching power of the outputs to 25% of the maximum switching power (37.5 W for DC). When switching capacitive loads, the output current can be 1.5 A for 10 ms. The output current should be limited to 1.5 A for 10 ms. The output current should be limited to 1.5 A for 10 ms. The output current should be limited to 1.5 A for 10 ms.

Table 1. 3636R and 3636T Specifications

Parameter	Specification
Output current	2 A maximum
Output voltage	155 VAC max
Number of output points	32 (non-commoned)
Output type	NO (normally open)
Switching power	2000 VA; 150 W maximum
Reactive load derating	25% of maximum switching power
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

Please refer to the 3636R and 3636T data sheets for more information.

CONTACTS

32 NO

VOLTAGE

155 VAC/VDC max

CURRENT

2 A max

SOURCE

9720077-012

Triconex 3636R is a non-triplicated Relay Output Module with thirty-two non-commoned, normally open output contacts. Its exact-model point-isolation minimum is 1500 VDC.

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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

02 ADDITIONAL TECHNICAL DATA

Point isolation minimum	1500 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 thirty-two normally open relay contacts for approved independently wired circuits. Verify both the voltage and current rating instead of treating isolation as the permitted working voltage.
- Reduce switching power to the documented 25% limit for reactive loads. For DC applications the guide identifies 37.5 W; evaluate the actual load transient and suppression arrangement.
- Distinguish the primary relay module from its spare before reading point LEDs. The manufacturer states that only the primary module asserts those indications.

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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