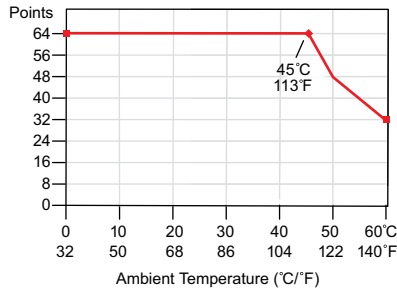


# Output Specifications

Outputs per Module	64 (sinking)	
Operating Voltage Range (Tolerance)	CE	6.25 – 24 VDC (-15% / + 20%)
	UL	6 – 27 VDC (-15% / +10%)
Maximum Output Current @ Temp	0.1A / point, 0.8A / common @ 60°C	
Minimum Output Current	0.4 mA	
Maximum Leakage Current	0.3 mA @ 30 VDC	
On Voltage Drop	0.3 VDC @ 0.1A	
Maximum Inrush Current	0.5A for 10 ms	
OFF to ON Response	≤ 0.2 ms	
ON to OFF Response	≤ 0.3 ms	
Connector Type	Two 40-pin IDC	
Status Indicators	Logic Side (32 points x 2)	
Commons	8 Isolated (8 points / common)	
External DC Power Required	24VDC ± 10% @ 210mA	

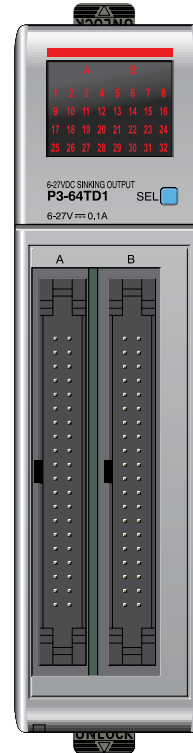
Derating Chart



# P3-64TD1 Sinking Output

The P3-64TD1 DC Output Module provides 64 6-27VDC sinking outputs with 8 isolated commons for use with the Productivity3000 Programmable Automation Controller.

- Output Specifications ..... 1
- Derating Chart ..... 1
- Module Installation Procedure ..... 2
- Wiring Options ..... 2
- Schematic and Wiring Diagram ..... 3
- Hot Swap Information ..... 3
- Safety Information ..... 4
- Connector Specifications ..... 4
- General Specifications ..... 4



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P3-64TD1-M	1st Ed. Rev E	03/06/2020

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Warranty: Thirty-day money-back guarantee. Two-year limited replacement. (See [www.automationdirect.com/P3000](http://www.automationdirect.com/P3000) for details).

# Module Installation Procedure

**WARNING:** Do not apply field power until the following steps are completed. See hot-swapping procedure for exceptions.

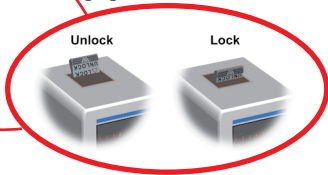
**AVERTISSEMENT:** Ne pas appliquer la puissance de champ avant l'exécution des étapes qui suivent. Consultez la procédure de remplacement à chaud pour les exceptions.



**Step One:**  
Align circuit card with slot and press firmly to seat module into connector.



**Step Two**  
Pull top and bottom locking tabs toward module face. Click indicates lock is engaged.



**Step Three**  
Attach field wiring using the ZIPLink wiring system.

**WARNING:** Explosion hazard – Do not connect or disconnect connectors or operate switches while circuit is live unless the area is known to be non-hazardous. Do not hot-swap modules unless the area is known to be non-hazardous.

**AVERTISSEMENT:** Risque d'explosion : ne pas connecter ou déconnecter les connecteurs ni actionner les commutateurs alors que le circuit est sous tension, à moins que la zone ne soit reconnue non dangereuse. Ne pas remplacer à chaud les modules à moins que la zone ne soit reconnue non dangereuse.

# Wiring Options

**ZIPLink Connection System**  
Cable + ZIPLink Module = Complete System

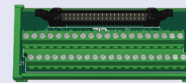
**NOTE:** The P3-64TD1 module requires 2 ZIPLink modules and 2 ZIPLink cables.



**ZIPLink pre-wired cables**

- 0.5m (1.6FT) cable
- 1.0m (3.3FT) cable
- 2.0m (6.6FT) cable

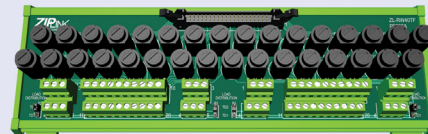
- ZL-CBL40
- ZL-CBL40-1
- ZL-CBL40-2



**ZIPLink Modules**

Feed through

ZL-RTB40



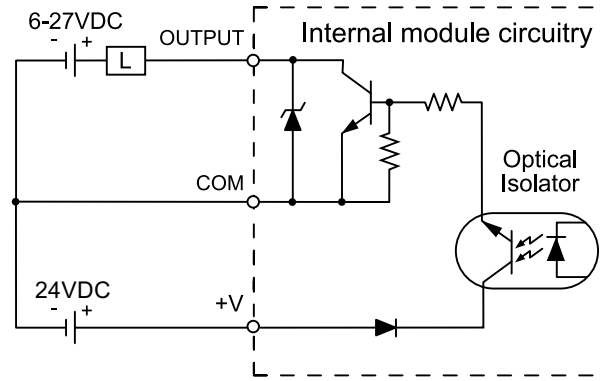
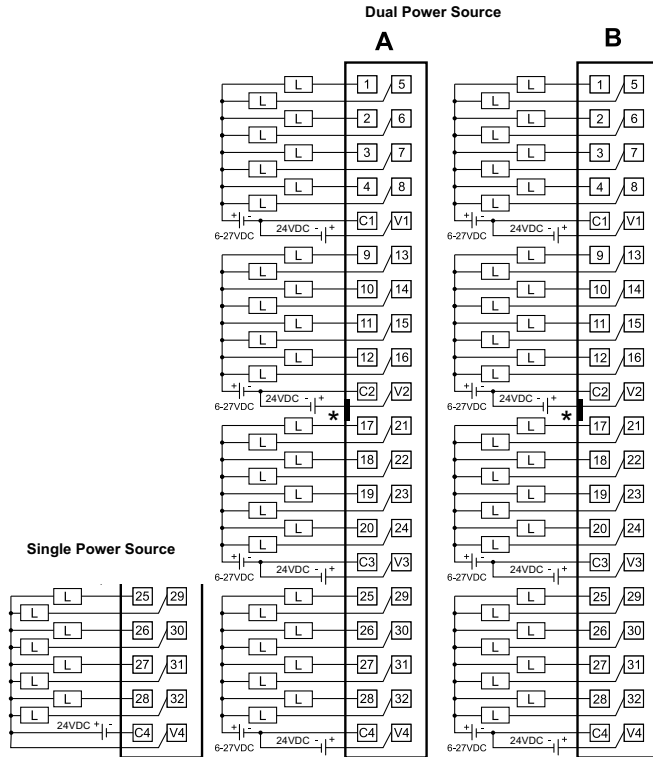
Remote Fuse

ZL-RFU40



# Wiring Diagram

# Schematic



**Important Hot-Swap Information**

**The Productivity3000 PAC supports hot-swap!**  
 Individual modules, expansion bases, and entire remote base groups can be taken offline, removed, and replaced while the rest of the PAC system continues controlling your process. Before attempting to use the hot-swap feature, be sure to read the hot-swap topic in the programming software's help file or our online documentation at [AutomationDirect.com](http://AutomationDirect.com) for details on how to plan your installation for use of this powerful feature.

To minimize the risk of potential safety problems, you should follow all applicable local and national codes that regulate the installation and operation of your equipment. These codes vary from area to area and it is your responsibility to determine which codes should be followed, and to verify that the equipment, installation, and operation are in compliance with the latest revision of these codes.

**Equipment damage or serious injury to personnel can result from the failure to follow all applicable codes and standards. We do not guarantee the products described in this publication are suitable for your particular application, nor do we assume any responsibility for your product design, installation, or operation.**

If you have any questions concerning the installation or operation of this equipment, or if you need additional information, please call Technical Support at 770-844-4200.

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## General Specifications

Operating Temperature	0° to 60°C (32° to 140°F),
Storage Temperature	-20° to 70°C (-4° to 158°F)
Humidity	5 to 95% (non-condensing)
Environmental Air	No corrosive gases permitted
Vibration	IEC60068-2-6 (Test Fc)
Shock	IEC60068-2-27 (Test Ea)
Field to Logic Side Isolation	1500VAC applied for 1 minute
Insulation Resistance	>10MΩ @ 500 VDC
Heat Dissipation	11.35W
Enclosure Type	Open Equipment
Agency Approvals	UL508 file E157382, Canada & USA UL1604 file E200031, Canada & USA CE (EN61131-2*) This equipment is suitable for use in Class 1, Division 2, Groups A, B, C and D or non-hazardous locations only.
Module Keying to Backplane	Electronic
Module Location	Any slot in any local, expansion, or remote base in a Productivity3000 System.
Field Wiring	Use ZIPLink Wiring System. See "Wiring Options" on page 2.
Weight	160g (5.64 oz)

\*Meets EMC and Safety requirements. See the D.O.C. for details.

## Connector Specifications

Connector Type	IDC style header with latch, Omron XG4A-4034
Number of Pins	40 point x 2
Pitch	0.1 in. (2.54 mm)

**WARNING:** Explosion hazard – Substitution of components may impair suitability for Class I, Division 2.

**AVERTISSEMENT:** Risque d'explosion : la substitution de composants peut compromettre la convenance pour la Classe I, Zone 2 ou pour la Classe I, Division 2.