

## Tycon 5600055

# Tycon 35mm x 7.5mm x 525mm Plated Steel Din Rail Instruction Manual

Model: 5600055

## 1. INTRODUCTION

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This instruction manual provides essential information for the proper installation, usage, and maintenance of the Tycon 35mm x 7.5mm x 525mm Plated Steel Din Rail, Model 5600055. Please read this manual thoroughly before installation to ensure safe and effective use of the product.

## 2. PRODUCT OVERVIEW

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The Tycon Din Rail is a standard mounting rail designed for securing industrial control equipment, circuit breakers, terminal blocks, and other modular devices within electrical enclosures. It features a closed-end design and is constructed from plated steel for durability and corrosion resistance.

- **Dimensions:** 35mm (width) x 7.5mm (height) x 525mm (length)
- **Material:** Plated Steel
- **Type:** Standard Din Rail (EN 50022)
- **End Type:** Closed end



Figure 1: Tycon 35mm x 7.5mm x 525mm Plated Steel Din Rail. This image displays the full length of the plated steel Din rail, highlighting its standard profile and closed ends, ready for mounting electrical components.

### 3. SETUP AND INSTALLATION

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Proper installation ensures the stability and safety of mounted components. Follow these steps for secure mounting:

1. **Preparation:** Ensure the mounting surface (e.g., inside an electrical enclosure) is clean, flat, and capable of supporting the weight of the Din Rail and all intended components.
2. **Marking:** Position the Din Rail on the desired mounting location. Use a pencil or marker to mark the drilling points through the pre-drilled holes on the rail.
3. **Drilling:** Remove the Din Rail. Drill pilot holes at the marked locations. Ensure the drill bit size is appropriate for the mounting screws to be used.
4. **Mounting:** Align the Din Rail with the drilled holes. Secure it firmly to the surface using appropriate screws (not included). Do not overtighten, but ensure there is no movement or play in the mounted rail.
5. **Component Attachment:** Once the Din Rail is securely mounted, components such as terminal blocks, relays, and circuit breakers can be snapped onto the rail. Ensure each component is properly seated and locked into place.

**Safety Note:** Always disconnect power to the enclosure before installing or removing any components on the Din Rail.

## 4. USAGE AND APPLICATION

The Tycon Din Rail serves as a standardized mounting platform for a wide range of electrical and electronic components. Its primary function is to provide a secure and organized method for installing devices within control cabinets, distribution boards, and other industrial enclosures.

Key applications include:

- Mounting terminal blocks for wire connections.
- Securing miniature circuit breakers (MCBs) and residual current devices (RCDs).
- Installing relays, contactors, and motor starters.
- Organizing power supplies and interface modules.

The closed-end design provides a neat finish and can prevent components from sliding off the ends of the rail if end stops are not used, though end stops are generally recommended for robust installations.

## 5. MAINTENANCE

The Tycon Plated Steel Din Rail requires minimal maintenance. Regular inspection is recommended to ensure its integrity and the secure mounting of components.

- **Cleaning:** Periodically clean the Din Rail and mounted components with a dry, lint-free cloth to remove dust and debris. Avoid using abrasive cleaners or solvents that could damage the plating.
- **Inspection:** Check for any signs of corrosion, bending, or damage to the rail. Ensure all mounting screws are tight and that components are securely fastened.
- **Environmental Conditions:** Ensure the operating environment remains within suitable temperature and humidity ranges to prevent premature wear or corrosion.

## 6. TROUBLESHOOTING

As a passive mechanical component, troubleshooting for a Din Rail is generally limited to installation and physical integrity issues.

Problem	Possible Cause	Solution
Din Rail is loose after mounting.	Screws are not tightened sufficiently, or mounting surface is uneven.	Tighten mounting screws. If the surface is uneven, consider shims or a different mounting location.
Components do not snap onto the rail easily.	Component is not aligned correctly, or the rail profile is slightly deformed.	Ensure component is aligned properly. Inspect the rail for any deformation; replace if necessary.
Signs of rust or corrosion.	Exposure to excessive moisture or corrosive agents.	Clean the affected area. Ensure the enclosure provides adequate protection from environmental factors. Consider replacing the rail if corrosion is severe.

## 7. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Number	5600055
Brand	Tycon
Dimensions (L x W x H)	525mm x 35mm x 7.5mm (21 x 2 x 1 inches approx.)
Material	Plated Steel
End Type	Closed End
Item Weight	3.52 ounces (approx. 100 grams)
Standard	EN 50022 (Standard Din Rail Profile)

## 8. WARRANTY AND SUPPORT

For specific warranty information and technical support regarding your Tycon Din Rail (Model 5600055), please refer to the documentation provided at the time of purchase or contact Tycon customer service directly. Contact details can typically be found on the manufacturer's official website or product packaging. When contacting support, please have your product model number (5600055) and purchase date available.