

# Installation Instructions

Original Instructions



**Allen-Bradley**

by ROCKWELL AUTOMATION

## Armor PowerFlex Normal Duty Dynamic Brake Resistors

Catalog Numbers 35T-360P500, 35T-120P1K2, 35T-070P1K2



**ATTENTION:** Only trained and qualified personnel familiar with the drive and associated machinery can plan or implement the installation, startup, adjustment, and subsequent maintenance or repair of the system. You must have previous experience with and a basic understanding of electrical terminology, configuration procedures, required equipment, and safety precautions. See the Armor PowerFlex User Manual, publication [35-UM001](#).



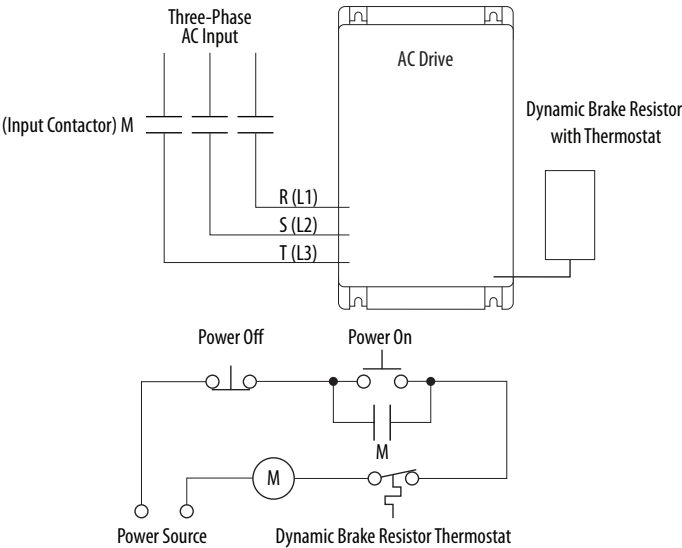
**BURN HAZARD:** : Surfaces may reach dangerous temperatures. Verify that the device is cool before beginning maintenance and use appropriate personal protective equipment (PPE).

### Certifications

• cULus Listed • CE • RCM • KCC • Morocco • UKCA

### IMPORTANT

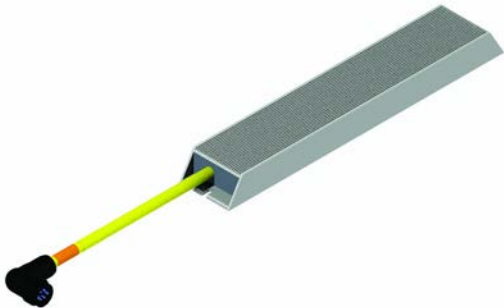
The Armor™ PowerFlex® drive can internally detect a thermal event on its dedicated dynamic brake resistor kits and shut down the Electronic Motor Disconnect. This eliminates the need for the upstream control devices like the one shown.



AC drives do not typically offer protection for externally mounted dynamic brake resistors. A risk of fire exists if external braking resistors are not protected from drive component failure, for example, failure of the brake IGBT. In this case, external resistor packages must be protected from an overtemperature condition using a protective circuit, or equivalent.

Cat. No. 35T-360P500 Dynamic Brake Resistor

Package Contents



Make Sure That the Resistor is in a Suitable Location

1

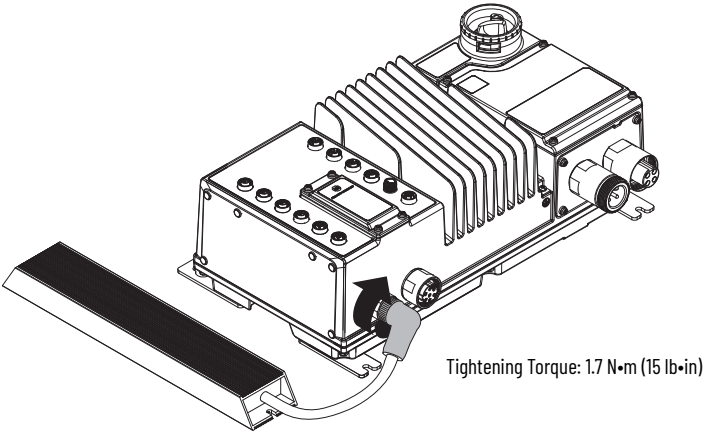


**BURN HAZARD:** Resistor temperature can exceed 200 °C (392 °F).

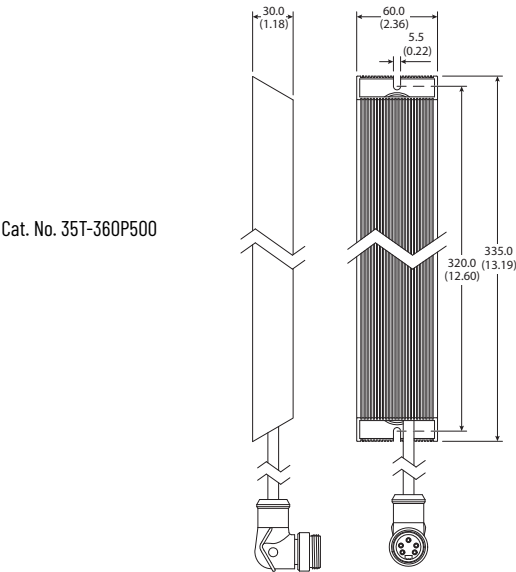
Frame size A

Connect the Cable

2

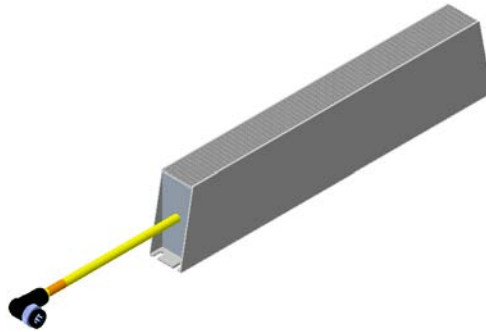


Approximate Dimensions in mm (in.)



## Cat. No. 35T-120P1K2 Dynamic Brake Resistor

### Package Contents



Make Sure That the Resistor is in a Suitable Location

1

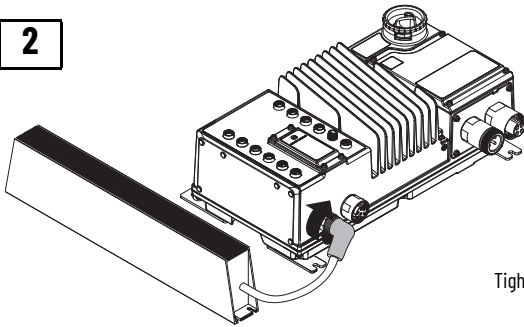


**BURN HAZARD:** Resistor temperature can exceed 200 °C (392 °F).

### Frame size A

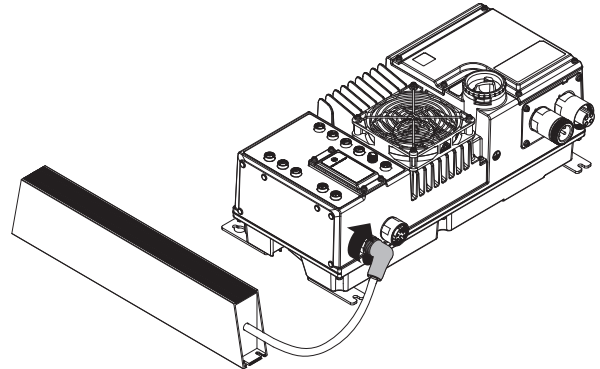
Connect the Cable

2



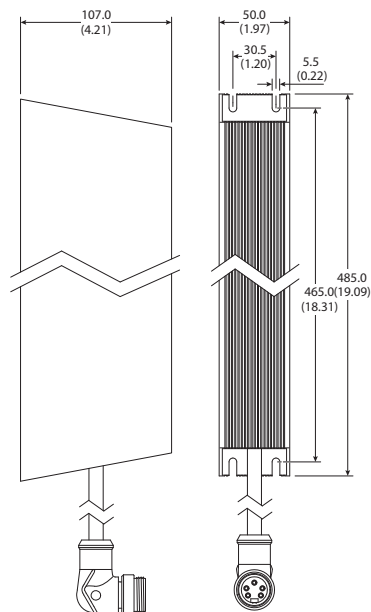
Tightening Torque: 1.7 N•m (15 lb•in)

### Frame size B



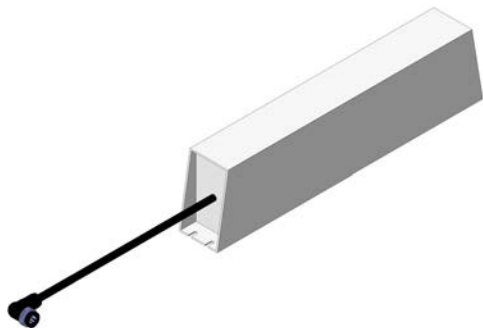
Approximate Dimensions in mm (in.)

Cat. No. 35T-120P1K2



# Cat. No. 35T-070P1K2 Dynamic Brake Resistor

## Package Contents



Make Sure That the Resistor is in a Suitable Location

1

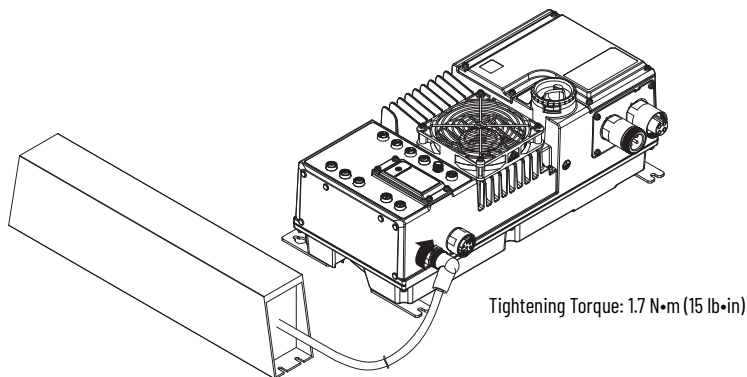


**BURN HAZARD:** Resistor temperature can exceed 200 °C (392 °F).

## Frame size B

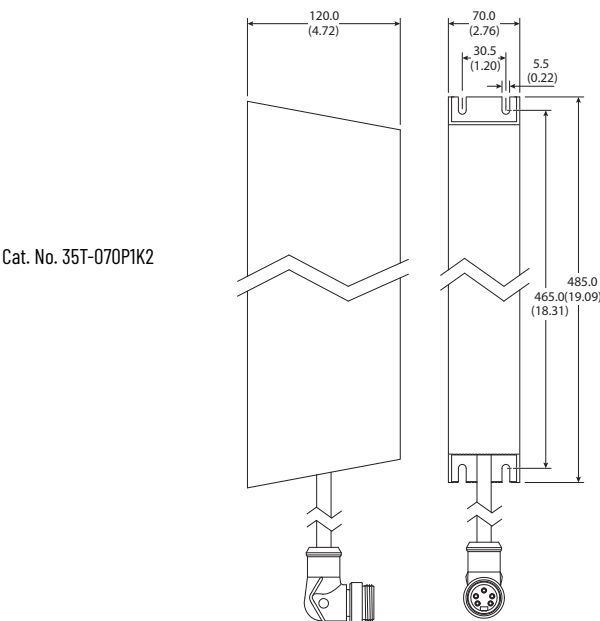
Connect the Cable

2



Tightening Torque: 1.7 N•m (15 lb•in)

Approximate Dimensions in mm (in.)



## Additional Resources

These documents contain additional information concerning related products from Rockwell Automation.

Resource	Description
Armor PowerFlex Drives Specifications, publication <a href="#">35-ID001</a>	Provides complete product selection information and specifications for Armor PowerFlex drives and accessories.
Armor PowerFlex Drives User Manual, publication <a href="#">35-UM001</a>	Provides information on how to install, set up, program, operate, and troubleshoot Armor PowerFlex drives.
Armor PowerFlex Drives Installation Instructions, publication <a href="#">35-PC001</a>	Provides information on how to install and set up Armor PowerFlex drives.
Armor PowerFlex CIP Object Definitions Reference Data, publication <a href="#">35-RD001</a>	Provides a list of Armor PowerFlex drive CIP® objects and attributes.
Armor PowerFlex AC Drives Event Codes Reference Data, publication <a href="#">35-RD002</a>	Provides a list of Armor PowerFlex drive fault codes.
On-Machine Media for Armor PowerFlex, ArmorStart, and ArmorConnect Products, publication <a href="#">280PWR-SG001</a>	Provides product selection and specification information for Armor PowerFlex, ArmorStart®, and ArmorConnect® media.
Cordsets & Field Attachables Technical Data, publication <a href="#">889-ID002</a>	Provides additional control and auxiliary power media options and technical specifications.
Safety Guidelines for the Application, Installation, and Maintenance of Solid-state Control, publication <a href="#">SGI-1.1</a>	Designed to harmonize with NEMA Standards Publication No. ICS 1.1-1987 and provides general guidelines for the application, installation, and maintenance of solid-state control in the form of individual devices or packaged assemblies incorporating solid-state components.
Product Certifications website, <a href="http://rok.auto/certifications">rok.auto/certifications</a>	Provides declarations of conformity, certificates, and other certification details.

# Rockwell Automation Support

Use these resources to access support information.

Technical Support Center	Find help with how-to videos, FAQs, chat, user forums, Knowledgebase, and product notification updates.	<a href="https://rok.auto/support">rok.auto/support</a>
Local Technical Support Phone Numbers	Locate the telephone number for your country.	<a href="https://rok.auto/phonesupport">rok.auto/phonesupport</a>
Technical Documentation Center	Quickly access and download technical specifications, installation instructions, and user manuals.	<a href="https://rok.auto/techdocs">rok.auto/techdocs</a>
Literature Library	Find installation instructions, manuals, brochures, and technical data publications.	<a href="https://rok.auto/literature">rok.auto/literature</a>
Product Compatibility and Download Center (PCDC)	Download firmware, associated files (such as AOP, EDS, and DTM), and access product release notes.	<a href="https://rok.auto/pcdc">rok.auto/pcdc</a>

## Documentation Feedback

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## Waste Electrical and Electronic Equipment (WEEE)



At the end of life, this equipment should be collected separately from any unsorted municipal waste.

Rockwell Automation maintains current product environmental compliance information on its website at [rok.auto/pec](https://rok.auto/pec).

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