

Allen-Bradley 1747-FC

The 1747-FC ferrite collar from the Allen Bradley SLC 500 series is crucial for EMI/RFI suppression. This accessory is designed for use with RS-232 cables and is compatible with several controllers, including the 1747-L541, 1747-L542, and 1747-L543. Technical specifications for 1747-FC

Manufacturer Allen Bradley

Series SLC 500

Part Number 1747-FC

Product Type Ferrite Collar

Compatible Cable RS-232 Cable

Controller Compatibility 1747-L541, 1747-L542, 1747-L543

Primary Function EMI/RFI Suppression

Compliance European EMC Directive

Placement Where cable exits module

Material Ferrite

Housing Material Plastic

Installation Complexity Low

Compatible Controllers SLCs

Description

Part number 1747-FC is a ferrite collar developed by Allen Bradley, intended as a part of the SLC 500 series. Its primary application is suppression of EMI and RFI, which can cause performance issues in automation equipment. This collar is specifically designed to be used with RS-232 cables and is compatible with various SLC controllers, including the 1747-L541, 1747-L542, and 1747-L543.

The collar is constructed from ferrite material, ensuring effective attenuation of unwanted noise while maintaining signal integrity. The housing is made of plastic, providing durability and ease of installation. The installation process is considered low complexity, allowing users to easily integrate it into existing setups.

It should be positioned at the location where the cable exits the module to achieve the best results in reducing interference. Moreover, the item complies with the European EMC Directive, which underlines its suitability for use in environments regulated by these standards. The 1747-FC effectively enhances the performance of SLC controllers by minimizing the impact of external electrical noise.

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