

NFD03.1-480-007

Industrial automation components

Manufacturer	Indramat
Catalog number	nfd031-480-007
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	0.91 kgs
Voltage	480 V
Current	7 A
Signal Type	480
Signal Level	480 V
Frequency	50 - 60 Hz
Product Type	Drive
Relay Specifications	480 VAC

Description

The Indramat NFD03.1-480-007 is a mains filter designed to ensure faultless operation when utilized with shielded motor cables. This device helps reduce leakage currents caused by cable capacitance and ensures compliance with specified EMC limits. It is critical for the protective cables to be connected first when installing and the last to disconnect when de-installing for safety reasons. The NFD03.1-480-007 should be vertically positioned, handled only after power disconnection for five minutes, and its connecting cables and earth connection should be kept short. The device effectively prevents encoders and sensors failure while eliminating interference caused by phase controllers, motors, and switch mode power supplies. Its terminals have an AWG 12 cross-section and important to maintain low impedance earthing. Exceeding the filter's throughput rating, even with the peak current rating from the servo amplifier, could nullify the filtering effect. The NFD03.1-480-007 typically resides between the switch mode power supply (SMPS) and the AC power line.