

## HNF01.1A-F240-E0051-A-480-NNNN

Industrial automation components

<b>Manufacturer</b>	Indramat
<b>Catalog number</b>	hnf011a-f240-e0051-a-480-nnnn
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	6.99 kgs
<b>Voltage</b>	400 - 480 V
<b>Current</b>	51 A
<b>Signal Type</b>	480
<b>Relay Specifications</b>	1 A
<b>Frequency</b>	50 - 60 Hz
<b>Signal Level</b>	480 V

### Description

The Indramat HNF01.1A-F240-E0051-A-480-NNNN is a mains filter designed to reduce radio interference and pollution in industrial electronic systems. Manufactured by Indramat, a division of Bosch Rexroth, this filter is tailored for three-phase drive controllers operating at voltages up to 480V. It effectively suppresses leakage currents caused by cable capacitance, ensuring optimal performance in systems with extensive motor cable lengths. The filter is suitable for applications requiring up to six axes with a maximum cable length of 240 meters. It features a degree of protection rated at IP20, indicating protection against solid objects larger than 12 mm but not against water. The EMC category is C3 in accordance with DIN EN 61800-3, making it suitable for industrial environments with a moderate level of electromagnetic interference. The mains connection voltage is  $3 \times AC 400 \dots 480V - 15 + 10\%$ , 50/60 Hz, accommodating standard industrial power supplies. The product series is HNF Mains Filters, and it belongs to the 01 series within this product line. The supply system is designated for feeding devices only, indicating its use in supplying power to other equipment rather than as a standalone device. This filter is ideal for applications requiring the suppression of electromagnetic interference and leakage currents in industrial automation systems.