

NFD03.1-480-055

Industrial automation components

Manufacturer	Indramat
Catalog number	nfd031-480-055
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Input Voltage	380 to 480 V AC
Rated Current	55 A
Power Dissipation	25.9 W
Dimensions	220 x 90 x 105 mm
Weight	2 kg

Description

The Indramat NFD03.1-480-055 is a three-phase line filter designed to protect HCS converters from line disturbances and capacitor leakage currents. Operating within a nominal voltage range of 380 to 480 V AC, it supports a continuous current of 55 A and dissipates 25.9 W during normal operation. The filter features an IP20-rated enclosure suitable for vertical mounting inside protective cabinets. Its compact dimensions are 220 mm in height, 90 mm in width, and 105 mm in depth, with a total weight of 2 kg. The NFD03.1-480-055 effectively attenuates electromagnetic interference (EMI) across a frequency range of 0.15 to 30 MHz, ensuring compliance with electromagnetic compatibility standards. It is compatible with HCS converters and three-phase drive controllers, making it ideal for applications requiring reliable line conditioning and EMI suppression.