

HNL02.1R-0980-C0023-A-480-NNNN

Industrial automation components

Manufacturer	Indramat
Catalog number	hnl021r-0980-c0023-a-480-nnnn
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	2.27 kgs
Nominal Inductance	980 μ H
Voltage Range	3 x 400–480 VAC
Capacitors	Three 10 μ F
Temperature Contact	30 VAC or 24 VDC
Protection Type	IP10
Supply System	Regenerative

Description

The Indramat HNL02.1R-0980-C0023-A-480-NNNN is a mains choke designed to mitigate line current harmonics in three-phase electrical systems, enhancing the performance and longevity of connected equipment. Manufactured by Indramat, a division of Bosch Rexroth, this device features a nominal inductance of 980 μ H and operates effectively within a voltage range of 3 x 400–480 VAC, accommodating a tolerance of -15/+10%. It integrates three 10 μ F capacitors at the mains input, which retain charge even after the unit is powered off, necessitating caution during maintenance. The choke includes a temperature contact rated for 30 VAC or 24 VDC, providing overload monitoring capabilities. With a weight of 13 kg, it is designed for installation within a control cabinet, ensuring optimal performance and safety. The device is rated with an IP10 protection type, indicating protection against solid objects larger than 50 mm. Its regenerative supply system and natural convection cooling mechanism contribute to its efficient operation and reliability. This mains choke is an essential component for industrial automation systems, ensuring compliance with electromagnetic compatibility standards and protecting sensitive equipment from electrical disturbances.