

3HAC024322-001

Industrial automation components

Manufacturer	Abb
Catalog number	3hac024322-001
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Mains Line Filter
Dimensions	350 mm x 110 mm x 90 mm
Weight	1.34 kg
Operating Temperature Range	-25°C to +60°C
Operating Humidity Range	5% to 95% non-condensing %

Description

The ABB 3HAC024322-001 is a mains line filter designed to ensure electromagnetic compatibility (EMC) in industrial automation systems. Manufactured by ABB, a global leader in electrification and automation, this filter is integral to the IRC5 controller, a panel-mounted controller used in advanced factory automation solutions. The 3HAC024322-001 filter effectively mitigates electromagnetic interference (EMI), ensuring compliance with EN/IEC 61000-6-4 standards. This compliance is crucial for systems requiring CE labelling or installations within the European Union. The filter's robust design allows it to operate effectively across a wide temperature range, from -25°C to +60°C, and withstand relative humidity levels from 5% to 95% non-condensing. Its compact dimensions (350 mm x 110 mm x 90 mm) and lightweight construction (1.34 kg) facilitate easy integration into existing systems. The 3HAC024322-001 is an essential component for enhancing the reliability and performance of industrial automation systems, particularly in environments sensitive to electromagnetic disturbances.