1SFL551001R8811

Industrial automation components

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Manufacturer	Abb
Catalog number	1sfl551001r8811
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	3-Phase Contactor
Product Family	A300 Series
Rated Operational Voltage	690 V
Rated Operational Current AC-1	500 A at 40°C
Rated Operational Power AC-3	250 kW at 690 V

Description

The ABB 1SFL551001R8811, also known as A300-30-11-88, is a robust 3-phase contactor designed for various industrial applications, including motor starting, isolation, bypass, and distribution up to a maximum of 690 V. Operable with control voltages ranging from 24 to 690 V AC at 50 and 60 Hz, it offers versatility across different operational environments. Key features include three normally open main contacts, one normally open auxiliary contact, and one normally closed auxiliary contact, all within a 3-pole configuration. The contactor is rated for an operational voltage of 690 V and a frequency of 50/60 Hz. It boasts a conventional free-air thermal current of 500 A at 40°C, ensuring reliable performance under varying thermal conditions. The rated operational current at AC-1 is 500 A at 40°C, with a reduction to 400 A at 55°C and 325 A at 70°C, accommodating diverse operational temperatures. Additionally, the contactor is equipped with a rated operational power of 250 kW at 690 V under AC-3 conditions, providing substantial power handling capabilities. This contactor is an ideal choice for applications requiring dependable switching and control of high-power electrical circuits.

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