3VL1706-1DD33-0AB1

Industrial automation components

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Manufacturer	Siemens
Catalog number	3vl1706-1dd33-0ab1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	3VL1706-1DD33-0AB1
Product Type	Molded Case Circuit Breaker
Series	SENTRON 3VL
Rated Operational Voltage	690 V
Rated Current	63 A
Mechanical Service Life	20,000 cycles
Dimensions	157.5 x 104.5 x 106.5 mm
Weight	2.05 kg

Description

The Siemens 3VL1706-1DD33-0AB1 is a three-pole molded case circuit breaker from the SENTRON 3VL series, designed for industrial applications requiring reliable overcurrent protection. It features a standard breaking capacity (Icu) of 55 kA at 415 V AC, ensuring robust protection against short circuits.

The circuit breaker is equipped with a thermal-magnetic (TM) trip unit, providing both long-time (LI) and instantaneous (II) protection settings. The rated current (In) is 63 A, with adjustable overload protection (Ir) ranging from 50 to 63 A, and short-circuit protection (Ii) set at 600 A.

The device operates at a maximum voltage of 690 V and has an insulation voltage of 800 V. Its mechanical service life is approximately 20,000 operating cycles, and it can handle an operating frequency of up to 120 cycles per second.

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The circuit breaker is designed for fixed mounting and has dimensions of 157.5 mm in height, 104.5 mm in width, and 106.5 mm in depth. It weighs approximately 2.05 kg. This model is suitable for applications requiring dependable line protection and is part of Siemens' SENTRON 3VL series, known for their durability and performance in industrial settings.