

AF460-30 ABB 100-250V 460A 250kW 3-Pole Power Contactor Datasheet



Brand: ABB

SKU: 946966880991

Category: Power Supplies & Circuit Protection

Price: **\$1,414.29**

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Product Page:

<https://www.equipspares.com/product/af460-30-abb-100-250v-460a-250kw-3-pole-power-contactor>

Product Description

ABB AF460-30 186 x 216 x 278 mm 100-250 V AC/DC 460 A 3-pole power contactor. This unit features an electronically controlled coil interface that manages wide control voltage variations and reduces panel energy consumption. The block-type design includes three main poles and factory-fitted 1 NO and 1 NC auxiliary contacts. It is constructed with main circuit bars for high-capacity connections and includes integrated surge protection to ensure stable operation in fluctuating networks.

AF460-30 Specifications

Model: AF460-30-11-70

Brand: ABB

Product ID: 1SFL597001R7011

Number of Main Poles: 3

Number of Auxiliary Contacts NO: 1

Number of Auxiliary Contacts NC: 1

Rated Operational Voltage: 1000 V

Rated Frequency: 50 / 60 Hz

Rated Operational Current AC-3 (400 V): 460 A

Rated Operational Power AC-3 (400 V): 250 kW

Rated Operational Current AC-1 (690 V, 40 °C): 700 A

Rated Control Circuit Voltage (Uc): 100-250 V AC/DC

Rated Insulation Voltage (Ui): 1000 V

Rated Impulse Withstand Voltage (Uimp): 8 kV

Mechanical Durability: 5 million cycles

Maximum Electrical Switching Frequency: 300 cycles per hour

Degree of Protection: IP00 (Main Terminals), IP20 (Coil Terminals)

Terminal Type: Main Circuit: Bars, Control Circuit: Screw Terminals

Width: 186 mm

Height: 278 mm

Depth: 216 mm

Weight: 10.6 kg

Standards: IEC 60947-1, 60947-4-1, UL 508, CSA C22.2 No.14

AF460-30 Applications

Primary applications include integration into large-scale motor control centers, heavy-duty water pump starters, and industrial HVAC compressor systems. Deployed within wind turbine pitch control cabinets and power distribution switchboards for high-capacity load switching.

Supplemental Images

