

AC Contactor up to 660V 620A

AC contactors are used for connecting or disconnecting circuits and controlling motors. These contactors manage large currents with small current control, offering overload protection when used with a thermal relay.



ADDITIONAL IMAGES



Overview



High-quality internal construction featuring silver contacts and flame-retardant materials for enhanced durability.



Engineered for easy installation and maintenance with pure copper terminals for optimal conductivity.

Versatile AC Contactor for Industrial Applications

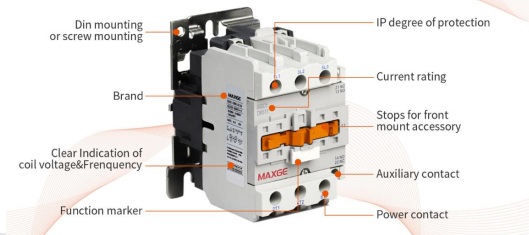
The SGC1-D/W series AC Contactor is engineered for reliable switching and control in electrical circuits up to 660V AC. Designed for frequent starting and control of AC motors, this versatile unit can be configured as a delay contactor, mechanical interlocking contactor, or star-delta starter when combined with auxiliary blocks and timers. Its robust construction features flame-resistant materials and high-conductivity copper components, ensuring durability and safety in demanding industrial environments.

Electrical Ratings

Rated Insulation Voltage (Ui)	690 V
Rated Operational Current (AC-3)	620 A
Rated Frequency	50/60 Hz
Utilization Category	AC-3, AC-4
Rated Impulse Withstand Voltage (Uimp)	6 kV

Operational Characteristics

AC Contactor Features & Benefits SGC1-D/W



Features include flexible DIN or screw mounting options and clear indication of auxiliary contact points.

Control Voltage Limits

Parameter	Range
Pick-up Voltage	85%-110% U_c
Drop-out Voltage	20%-75% U_c

Environmental Conditions

- Ambient Temperature: -5 to +40°C
- Storage Temperature: -40 to +75°C
- Max Humidity: 95%
- Max Altitude: 2000m

Compliance & Safety

Certifications

CE • CB • SEMKO • TUV

Compliance Standards	IEC/EN 60947-4-1, VDE 0660, BS 5452
Protection Rating	IP20
Flame Resistance	V1