

Technical Specification

Low Power Consumption: Optimized electromagnetic system significantly reduces holding power, effectively eliminating the high energy consumption of traditional contactors.

High Reliability Design: New structural design improves product reliability. Over 60% of the manufacturing process is automated, with key processes continuously monitored to ensure consistent quality.

Low Noise Operation: Noise commonly associated with traditional contactors is eliminated through advanced design and precision manufacturing.

Wide Application Range: Suitable for remote control of lighting, heating, ventilation, rolling curtains, public hot water systems, and mechanical ventilation systems, especially in low inductive and micro-inductive load environments.

Visual Status Indicator: Flag indicator clearly displays the contactor ON/OFF status.

RoHS Compliant: Fully compliant with RoHS environmental standards.



Part Number	Rated Current AC-7A	Control Voltage AC 50/60Hz	Contact Arrangement	Rated Terminal Capacity (Coil)	Rated Terminal Capacity	Dimensions
SMC-2520-12VDC	25A	12VDC	2 x NO	1.5 - 2.5mm: 2 x 1.5mm ²	1.5 - 6mm ²	81 x 18 x 68mm
SMC-2520-24VDC	25A	24VDC	2 x NO	1.5 - 2.5mm: 2 x 1.5mm ²	1.5 - 6mm ²	81 x 18 x 68mm
SMC-2520-24VAC	25A	24VAC	2 x NO	1.5 - 2.5mm: 2 x 1.5mm ²	1.5 - 6mm ²	81 x 18 x 68mm
SMC-2520-240	25A	240VAC	2 x NO	1.5 - 2.5mm: 2 x 1.5mm ²	1.5 - 6mm ²	81 x 18 x 68mm
SMC-2502-240	25A	240VAC	2 x NC	1.5 - 2.5mm: 2 x 1.5mm ²	1.5 - 6mm ²	81 x 18 x 68mm
SMC-4020-240	40A	240VAC	2 x NO	1.5 - 2.5mm: 2 x 1.5mm ²	6 -25mm ²	85 x 36 x 68mm
SMC-6320-240	63A	240VAC	2 x NO	1.5 - 2.5mm: 2 x 1.5mm ²	6 -25mm ²	85 x 36 x 68mm
SMC-10020-240	100 A	240VAC	2 x NO	1.5 - 2.5mm: 2 x 1.5mm ²	6 -25mm ²	85 x 54 x 68mm

- Rated Insulation Voltage - 500VAC
- Pollution Class - 2
- Rated Impulse withstand voltage (Uimp) - 4kV
- Rated Operational Voltage 50/60Hz - 250VAC
- Frequency - 50/60Hz
- IP20 Touch Proof Terminals
- Operating Temperature -5° to +60°C
- Maximum Power Consumption - 2.1W
- Electrical life greater than 100,000 times
- Mechanical life more than 12,000,000 times