

<b>Rated Insulation Voltage (U<sub>i</sub>):</b>	acc. to UL/CSA 600 V acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 690 V acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V
<b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>	6 kV
<b>Maximum Mechanical Switching Frequency:</b>	3600 cycles per hour
<b>Rated Control Circuit Voltage (U<sub>c</sub>):</b>	50 Hz 24 V 60 Hz 24 V
<b>Operate Time:</b>	Between Coil De-energization and NC Contact Closing 7 ... 22 ms Between Coil De-energization and NO Contact Opening 5 ... 19 ms Between Coil Energization and NC Contact Opening 6 ... 18 ms Between Coil Energization and NO Contact Closing 9 ... 24 ms
<b>Connecting Capacity Main Circuit:</b>	Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm <sup>2</sup> Flexible with Ferrule 1/2x 0.75 ... 2.5 mm <sup>2</sup> Rigid 1/2x 0.75 ... 4 mm <sup>2</sup>
<b>Connecting Capacity Auxiliary Circuit:</b>	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm <sup>2</sup> Rigid 1/2x 0.75 ... 2.5 mm <sup>2</sup>
<b>Connecting Capacity Control Circuit:</b>	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm <sup>2</sup> Rigid 1/2x 0.75 ... 2.5 mm <sup>2</sup>
<b>Wire Stripping Length:</b>	Auxiliary Circuit 9 mm Control Circuit 9 mm Main Circuit 9 mm
<b>Degree of Protection:</b>	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20
<b>Terminal Type:</b>	Screw Terminals

## Environmental

<b>Ambient Air Temperature:</b>	Close to Contactor for Storage -60 ... +80 °C Close to Contactor Fitted with Thermal O/L Relay -25 ... +60 °C Close to Contactor without Thermal O/L Relay -40 ... +70 °C
<b>Climatic Withstand:</b>	Category B according to IEC 60947-1 Annex Q
<b>Maximum Operating Altitude Permissible:</b>	3000 m
<b>Resistance to Vibrations acc. to IEC 60068-2-6:</b>	5 ... 300 Hz 3 g Closed position / 2 g Open position

**Resistance to Shock acc. to IEC  
60068-2-27:**

Closed, Shock Direction: B1 10 g  
Closed, Shock Direction: C1 20 g  
Closed, Shock Direction: C2 20 g  
Open, Shock Direction: B1 5 g  
Open, Shock Direction: C1 9 g  
Open, Shock Direction: C2 14 g  
Shock Direction: A 20 g  
Shock Direction: B2 15 g

## Technical UL/CSA

**General Use Rating UL/CSA:** (600 V AC) 20 A

**Horsepower Rating UL/CSA:** (120 V AC) Single Phase 1/2 Hp  
(240 V AC) Single Phase 1.5 Hp  
(200 ... 208 V AC) Three Phase 2 Hp  
(220 ... 240 V AC) Three Phase 3 Hp  
(440 ... 480 V AC) Three Phase 7.5 Hp  
(550 ... 600 V AC) Three Phase 10 Hp

**Tightening Torque UL/CSA:** Auxiliary Circuit 9 in·lb  
Control Circuit 9 in·lb  
Main Circuit 9 in·lb

## Certificates and Declarations (Document Number)

**CB Certificate:** CB\_CN13475-M1

**CCC Certificate:** CCC\_2007010309251577

**Declaration of Conformity - CE:** 1SBD250014U1000

**Environmental Information:** 1SBD250154E1000

**GOST Certificate:** GOST\_POCCCNME77B07822.pdf

**Instructions and Manuals:** 1SBC101020M9701

**RoHS Information:** 1SBD251000E1001

**UL Certificate:** UL\_20120917-E312527-1-1

**UL Listing Card:** UL\_E312527

## Container Information

**Package Level 1 Units:** 1 piece

**Package Level 1 Width:** 78 mm

**Package Level 1 Depth / Length:** 80 mm

**Package Level 1 Height:** 48 mm

**Package Level 1 Gross Weight:** 0.22 kg

**Package Level 1 EAN:** 3471523035201

**Package Level 2 Units:** 40 piece

**Package Level 2 Width:** 250 mm

**Package Level 2 Depth / Length:** 195 mm