

Electrical connection	<p>1 conductor(s)rigid cable , connection via cage type connector 2.5 mm²/AWG 14 for control circuit</p> <p>1 conductor(s)rigid cable , connection via cage type connector 2.5 mm²/AWG 14 for power circuit</p> <p>2 conductor(s)rigid cable , connection via cage type connector 1 mm²/AWG 17 for control circuit</p> <p>2 conductor(s)rigid cable , connection via cage type connector 1 mm²/AWG 17 for power circuit</p> <p>1 conductor(s)flexible cable with cable end, connection via cage type connector 2.5 mm²/AWG 14 for control circuit</p> <p>1 conductor(s)flexible cable with cable end, connection via cage type connector 2.5 mm²/AWG 14 for power circuit</p> <p>1 conductor(s)flexible cable without cable end, connection via cage type connector 2.5 mm²/AWG 14 for control circuit</p> <p>1 conductor(s)flexible cable without cable end, connection via cage type connector 2.5 mm²/AWG 14 for power circuit</p> <p>2 conductor(s)flexible cable with cable end, connection via cage type connector 0.75 mm²/AWG 18 for control circuit</p> <p>2 conductor(s)flexible cable with cable end, connection via cage type connector 0.75 mm²/AWG 18 for power circuit</p> <p>2 conductor(s)flexible cable without cable end, connection via cage type connector 1 mm²/AWG 17 for control circuit</p> <p>2 conductor(s)flexible cable without cable end, connection via cage type connector 1 mm²/AWG 17 for power circuit</p>
Marking	CE
Operating position	Vertical +/- 10 degree
Product weight	0.16 kg

Environment

Electromagnetic compatibility	<p>Conducted and radiated emissions conforming to CISPR 11 level B</p> <p>Conducted and radiated emissions conforming to IEC 60947-4-2 level B</p> <p>Damped oscillating waves conforming to IEC 61000-4-12 level 3</p> <p>Electrostatic discharge conforming to IEC 61000-4-2 level 3</p> <p>EMC immunity conforming to EN 50082-1</p> <p>EMC immunity conforming to EN 50082-2</p> <p>Harmonics conforming to IEC 1000-3-2</p> <p>Harmonics conforming to IEC 1000-3-4</p> <p>Immunity to conducted interference caused by radio-electrical fields conforming to IEC 61000-4-6 level 3</p> <p>Immunity to electrical transients conforming to IEC 61000-4-4 level 4</p> <p>Immunity to radiated radio-electrical interference conforming to IEC 61000-4-3 level 3</p> <p>Micro-cuts and voltage fluctuation conforming to IEC 61000-4-11</p> <p>Voltage/Current impulse conforming to IEC 61000-4-5 level 3</p>
Standards	EN/IEC 60947-4-2
Product certifications	<p>B44.1-96/ASME A17.5 for starter wired to the motor delta terminal</p> <p>CCC</p> <p>CSA</p> <p>C-Tick</p> <p>GOST</p> <p>UL</p>
IP degree of protection	IP20
Pollution degree	2 conforming to EN/IEC 60947-4-2
Vibration resistance	<p>1 gn (f = 13...150 Hz) conforming to EN/IEC 60068-2-6</p> <p>1.5 mm peak to peak (f = 3...13 Hz) conforming to EN/IEC 60068-2-6</p>
Shock resistance	15 gn for 11 ms conforming to EN/IEC 60068-2-27
Relative humidity	5...95 % without condensation or dripping water conforming to EN/IEC 60068-2-3
Ambient air temperature for operation	<p>-10...40 °C without derating</p> <p>40...50 °C with current derating of 2 % per °C</p>
Ambient air temperature for storage	-25...70 °C conforming to EN/IEC 60947-4-2
Operating altitude	<p><= 1000 m without derating</p> <p>> 1000 m with current derating of 2.2 % per additional 100 m</p>
RoHS EUR status	Compliant
RoHS EUR conformity date	0905

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