



<b>[Ui] rated insulation voltage</b>	Power circuit: 1000 V conforming to IEC 60947-1 Control circuit: 600 V CSA certified Control circuit: 600 V UL certified Power circuit: 600 V CSA certified Power circuit: 600 V UL certified Control circuit: 690 V conforming to IEC 60947-1
<b>[Uimp] rated impulse withstand voltage</b>	8 kV conforming to IEC 60947
<b>Overvoltage category</b>	III
<b>Mounting support</b>	Plate Rail
<b>Flame retardance</b>	V1 conforming to UL 94
<b>Tightening torque</b>	Control circuit: 1.7 N.m - cable 1...2.5 mm <sup>2</sup> - with screwdriver flat Ø 6 mm Control circuit: 1.7 N.m - cable 1...2.5 mm <sup>2</sup> - with screwdriver Philips No 2 Control circuit: 1.7 N.m - cable 1...4 mm <sup>2</sup> - with screwdriver flat Ø 6 mm Control circuit: 1.7 N.m - cable 1...4 mm <sup>2</sup> - with screwdriver Philips No 2 Power circuit: 5 N.m - cable 1...25 mm <sup>2</sup> hexagonal screw head Power circuit: 8 N.m - cable 1...35 mm <sup>2</sup> hexagonal screw head
<b>[Ue] rated operational voltage</b>	Power circuit: ≤ 690 V AC 25...400 Hz
<b>[Ith] conventional free air thermal current</b>	10 A (at 60 °C) for control circuit 60 A (at 60 °C) for power circuit
<b>Irms rated making capacity</b>	140 A AC for control circuit conforming to IEC 60947-5-1 800 A at 440 V for power circuit conforming to IEC 60947
<b>Rated breaking capacity</b>	800 A at 440 V for power circuit conforming to IEC 60947
<b>Associated fuse rating</b>	10 A gG for control circuit conforming to IEC 60947-5-1 80 A gG at ≤ 690 V coordination type 1 for power circuit 80 A gG at ≤ 690 V coordination type 2 for power circuit
<b>Average impedance</b>	- Ith 60 A 50 Hz for power circuit
<b>Power dissipation per pole</b>	2.4 W AC-3 - Ith 60 A
<b>Inrush power in VA</b>	200 VA cos phi 0.75 (at 20 °C) 220 VA cos phi 0.75 (at 20 °C)
<b>Hold-in power consumption in VA</b>	20 VA 50 Hz cos phi 0.3 (at 20 °C) 22 VA 60 Hz cos phi 0.3 (at 20 °C) 26 VA 50 Hz cos phi 0.3 (at 20 °C) 26 VA 60 Hz cos phi 0.3 (at 20 °C)
<b>Operating time</b>	12...26 ms closing 4...19 ms opening
<b>Safety reliability level</b>	B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1
<b>Mechanical durability</b>	6000000 cycles
<b>Maximum operating rate</b>	3600 cyc/h 60 °C
<b>Minimum switching current</b>	5 mA for control circuit
<b>Minimum switching voltage</b>	17 V for control circuit
<b>Non-overlap time</b>	1.5 ms on de-energisation between NC and NO contacts 1.5 ms on energisation between NC and NO contacts
<b>Insulation resistance</b>	> 10 MOhm for control circuit
<b>Height</b>	132 mm
<b>Width</b>	165 mm
<b>Depth</b>	142 mm
<b>Net weight</b>	3.2 kg

## Environment

<b>Standards</b>	EN 60947-5-1 IEC 60947-5-1 EN 60947-4-1 CSA C22.2 No 14 IEC 60947-4-1 UL 508
<b>Product certifications</b>	CSA LROS (Lloyds register of shipping) GL DNV RINA GOST CCC UL BV
<b>IP degree of protection</b>	IP2X conforming to IEC 60529 IP2X conforming to VDE 0106
<b>Protective treatment</b>	TH (pollution degree 3) conforming to IEC 60068
<b>Ambient air temperature for operation</b>	-5...60 °C
<b>Ambient air temperature for storage</b>	-60...80 °C
<b>Permissible ambient air temperature around the device</b>	-40...70 °C at U <sub>c</sub>
<b>Operating altitude</b>	3000 m without derating
<b>Fire resistance</b>	850 °C conforming to IEC 60695-2-1
<b>Shock resistance</b>	10 gn contactor closed 8 gn contactor opened
<b>Vibration resistance</b>	2 gn 5...300 Hz contactor opened 4 gn 5...300 Hz contactor closed
<b>Heat dissipation</b>	6...10 W at 50/60 Hz for control circuit

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1

## Contractual warranty

<b>Warranty (in months)</b>	18
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Longer



#### Lifetime extension

Repair

No

### Use Again



#### Repack and remanufacture

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins