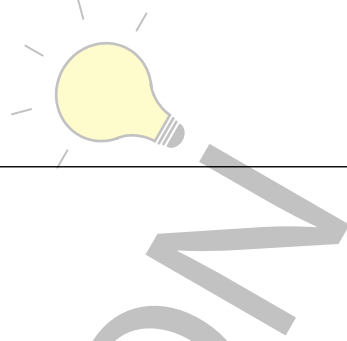




Signalling circuit: 690 V conforming to IEC 60947-1
 Signalling circuit: 600 V CSA certified
 Signalling circuit: 600 V UL certified
 Power circuit: 690 V conforming to IEC 60947-4-1

| | |
|--|--|
| Electrical durability | 0.8 Mcycles 25 A AC-1 at $U_e \leq 440$ V |
| Power dissipation per pole | 1.56 W AC-1 |
| Front cover | With |
| Mounting support | Plate Rail |
| Standards | CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508 IEC 60335-1 |
| Product certifications | GOST DNV LROS (Lloyds register of shipping) CSA UL RINA BV GL CCC |
| Connections - terminals | Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm ² flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm ² flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm ² solid without cable end Power circuit: screw clamp terminals 1 cable(s) 1...4 mm ² flexible without cable end Power circuit: screw clamp terminals 2 cable(s) 1...4 mm ² flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 1...4 mm ² flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 1...2.5 mm ² flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 1...4 mm ² solid without cable end Power circuit: screw clamp terminals 2 cable(s) 1...4 mm ² solid without cable end |
| Tightening torque | Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat \varnothing 6 mm Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2 Power circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat \varnothing 6 mm Power circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2 Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver pozidriv No 2 Power circuit: 2.5 N.m - on screw clamp terminals - with screwdriver pozidriv No 2 |
| Operating time | 4...19 ms opening 12...22 ms closing |
| Safety reliability level | 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 |
| Mechanical durability | 15 Mcycles |
| Maximum operating rate | 3600 cyc/h 60 °C |
| Complementary | |
| Coil technology | Without built-in suppressor module |
| Control circuit voltage limits | 0.3...0.6 U_c (-40...70 °C):drop-out AC 50/60 Hz 0.8...1.1 U_c (-40...60 °C):operational AC 50 Hz 0.85...1.1 U_c (-40...60 °C):operational AC 60 Hz 1...1.1 U_c (60...70 °C):operational AC 50/60 Hz |
| Inrush power in VA | 70 VA 60 Hz cos phi 0.75 (at 20 °C) 70 VA 50 Hz cos phi 0.75 (at 20 °C) |
| Hold-in power consumption in VA | 7.5 VA 60 Hz cos phi 0.3 (at 20 °C) 7 VA 50 Hz cos phi 0.3 (at 20 °C) |
| Heat dissipation | 2...3 W at 50/60 Hz |
| Auxiliary contacts type | type mechanically linked 1 NO + 1 NC conforming to IEC 60947-5-1 type mirror contact 1 NC conforming to IEC 60947-4-1 |
| Signalling circuit frequency | 25...400 Hz |
| Minimum switching current | 5 mA for signalling circuit |
| Minimum switching voltage | 17 V for signalling circuit |
| Non-overlap time | 1.5 ms on de-energisation between NC and NO contact |



1.5 ms on energisation between NC and NO contact

Insulation resistance > 10 MOhm for signalling circuit

Environment

| | |
|--|--|
| IP degree of protection | IP20 front face conforming to IEC 60529 |
| Climatic withstand | conforming to IACS E10 conforming to IEC 60947-1 Annex Q category D |
| Protective treatment | TH conforming to IEC 60068-2-30 |
| Pollution degree | 3 |
| Ambient air temperature for operation | -40...60 °C 60...70 °C with derating |
| Ambient air temperature for storage | -60...80 °C |
| Operating altitude | 0...3000 m |
| Fire resistance | 850 °C conforming to IEC 60695-2-1 |
| Mechanical robustness | Vibrations contactor open: 2 Gn, 5...300 Hz Vibrations contactor closed: 4 Gn, 5...300 Hz Shocks contactor closed: 15 Gn for 11 ms Shocks contactor open: 10 Gn for 11 ms |
| Height | 85 mm |
| Width | 45 mm |
| Depth | 92 mm |
| Net weight | 0.365 kg |

Packing Units

| | |
|-------------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 387.0 g |
| Package 1 Height | 5.5 cm |
| Package 1 width | 9.5 cm |
| Package 1 Length | 11.8 cm |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 16 |
| Package 2 Weight | 6.756 kg |
| Package 2 Height | 15 cm |
| Package 2 width | 30 cm |
| Package 2 Length | 40 cm |

Offer Sustainability

| | |
|-----------------------------------|--|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration |

| | |
|----------------------------------|---|
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| PVC free | Yes |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov |

Contractual warranty

| | |
|-----------------|-----------|
| Warranty | 18 months |
|-----------------|-----------|

