

| [lth] conventional free air thermal current | 25 A at $<=60^{\circ} \mathrm{C}$ for power circuit <br> 10 A at $<=60^{\circ} \mathrm{C}$ for signalling circuit |
| :---: | :---: |
| Irms rated making capacity | 250 A at 440 V for power circuit conforming to IEC 60947 250 A DC for signalling circuit conforming to IEC 60947-5-1 140 A AC for signalling circuit conforming to IEC 60947-5-1 |
| Rated breaking capacity | 250 A at 440 V for power circuit conforming to IEC 60947 |
| [lcw] rated short-time withstand current | 120 A 500 ms signalling circuit $210 \mathrm{~A}<=40^{\circ} \mathrm{C} 1 \mathrm{~s}$ power circuit $105 \mathrm{~A}<=40^{\circ} \mathrm{C} 10$ s power circuit 100 A 1 s signalling circuit $61 \mathrm{~A}<=40^{\circ} \mathrm{C} 1 \mathrm{~min}$ power circuit 140 A 100 ms signalling circuit $30 \mathrm{~A}<=40^{\circ} \mathrm{C} 10 \mathrm{~min}$ power circuit |
| Associated fuse rating | 10 A gG for signalling circuit conforming to IEC 60947-5-1 40 AgG at $<=690 \mathrm{~V}$ coordination type 1 for power circuit 25 A gG at $<=690 \mathrm{~V}$ coordination type 2 for power circuit |
| Average impedance | 2.5 mOhm at 50 Hz - Ith 25 A for power circuit |
| [Ui] rated insulation voltage | 690 V for power circuit conforming to IEC 60947-4-1 <br> 600 V for signalling circuit certifications CSA <br> 600 V for power circuit certifications UL <br> 690 V for signalling circuit conforming to IEC 60947-1 <br> 600 V for signalling circuit certifications UL <br> 600 V for power circuit certifications CSA |
| Electrical durability | 0.8 Mcycles 25 A AC-1 at Ue $<=440 \mathrm{~V}$ 2 Mcycles $12 \mathrm{~A} \mathrm{AC}-3$ at $\mathrm{Ue}<=440 \mathrm{~V}$ |
| Power dissipation per pole | $\begin{aligned} & 1.56 \mathrm{~W} \mathrm{AC}-1 \\ & 0.36 \mathrm{~W} \mathrm{AC}-3 \end{aligned}$ |
| Protective cover | With |
| Mounting support | Plate Rail |
| Standards | EN 60947-4-1 <br> UL 508 <br> EN 60947-5-1 <br> CSA C22.2 No 14 <br> IEC 60947-4-1 <br> IEC 60947-5-1 |
| Product certifications | UL CSA LROS DNV BV RINA GL GOST CCC |
| Connections - terminals | Power circuit : screw clamp terminals 1 cable(s) $1 \ldots . .4 \mathrm{~mm}^{2}$ - cable stiffness: solid - without cable end Control circuit : screw clamp terminals 1 cable(s) $1 . . .4 \mathrm{~mm}^{2}$ - cable stiffness: flexible - without cable end <br> Power circuit : screw clamp terminals 1 cable(s) $1 \ldots 4 \mathrm{~mm}^{2}$ - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 2 cable(s) $1 \ldots .4 \mathrm{~mm}^{2}$ - cable stiffness: solid - without cable end Control circuit : screw clamp terminals 1 cable(s) $1 . . .4 \mathrm{~mm}^{2}$ - cable stiffness: flexible - with cable end Power circuit : screw clamp terminals 2 cable(s) $1 \ldots . .2 .5 \mathrm{~mm}^{2}$ - cable stiffness: flexible - with cable end <br> Power circuit : screw clamp terminals 2 cable(s) $1 \ldots 4 \mathrm{~mm}^{2}$ - cable stiffness: flexible - without cable end <br> Control circuit : screw clamp terminals 1 cable(s) $1 \ldots 4 \mathrm{~mm}^{2}$ - cable stiffness: solid - without cable end Control circuit : screw clamp terminals 2 cable(s) $1 . . .4 \mathrm{~mm}^{2}$ - cable stiffness: flexible - without cable end <br> Power circuit : screw clamp terminals 2 cable(s) $1 \ldots . .4 \mathrm{~mm}^{2}$ - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 1 cable(s) $1 \ldots 4 \mathrm{~mm}^{2}$ - cable stiffness: flexible - without cable end <br> Control circuit : screw clamp terminals 2 cable(s) $1 . . .2 .5 \mathrm{~mm}^{2}$ - cable stiffness: flexible - with cable end |
| Tightening torque | Power circuit : 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2 Power circuit : $1.7 \mathrm{~N} . \mathrm{m}$ - on screw clamp terminals - with screwdriver flat $\varnothing 6 \mathrm{~mm}$ Control circuit : $1.7 \mathrm{~N} . \mathrm{m}$ - on screw clamp terminals - with screwdriver Philips No 2 Control circuit : 1.7 N.m - on screw clamp terminals - with screwdriver flat $\varnothing 6 \mathrm{~mm}$ |
| Operating time | $4 . .19 \mathrm{~ms}$ opening <br> $12 . . .22 \mathrm{~ms}$ closing |


| Safety reliability level | B10d $=20000000$ cycles contactor with mechanical load conforming to EN/ISO 13849-1 <br> B10d $=1369863$ cycles contactor with nominal load conforming to EN/ISO 13849-1 |
| :--- | :--- |
| Mechanical durability | 15 Mcycles |
| Operating rate | $3600 \mathrm{cyc} / \mathrm{h}$ at $<=60^{\circ} \mathrm{C}$ |

Complementary

| Coil technology | Without built-in suppressor module |
| :--- | :--- |
| Control circuit voltage limits | $0.8 \ldots . .1 .1 \mathrm{Uc}$ operational at $60^{\circ} \mathrm{C}, \mathrm{AC} 50 \mathrm{~Hz}$ |
|  | $0.3 \ldots 0.6 \mathrm{Uc}$ drop-out at $60^{\circ} \mathrm{C}, \mathrm{AC} 50 / 60 \mathrm{~Hz}$ |
|  | $0.85 \ldots 1.1 \mathrm{Uc}$ operational at $60^{\circ} \mathrm{C}, \mathrm{AC} 60 \mathrm{~Hz}$ |
| Inrush power in VA | 70 VA at $20^{\circ} \mathrm{C}(\cos \phi 0.75) 50 \mathrm{~Hz}$ |
|  | 70 VA at $20^{\circ} \mathrm{C}(\cos \phi 0.75) 60 \mathrm{~Hz}$ |
| Hold-in power consumption in VA | 7 VA at $20^{\circ} \mathrm{C}(\cos \phi 0.3) 50 \mathrm{~Hz}$ |
|  | 7.5 VA at $20^{\circ} \mathrm{C}(\cos \phi 0.3) 60 \mathrm{~Hz}$ |
| Heat dissipation | $2 \ldots .3 \mathrm{~W}$ at $50 / 60 \mathrm{~Hz}$ |
| Auxiliary contacts type | Type mirror contact (1 NC) conforming to IEC 60947-4-1 |
|  | Type mechanically linked (1 NO + 1 NC$)$ conforming to IEC 60947-5-1 |
| Signalling circuit frequency | $25 \ldots 400 \mathrm{~Hz}$ |
| Minimum switching current | 5 mA for signalling circuit |
| Minimum switching voltage | 17 V for signalling circuit |
| Non-overlap time | 1.5 ms on energisation (between NC and NO contact) |
| Insulation resistance | 1.5 ms on de-energisation (between NC and NO contact) |
| Contact compatibility | $>10 \mathrm{MOhm}$ for signalling circuit |
| Compatibility code | M 2 |

## Environment

| IP degree of protection | IP2x front face conforming to IEC 60529 |
| :--- | :--- |
| Protective treatment | TH conforming to IEC 60068-2-30 |
| Pollution degree | 3 |
| Ambient air temperature for operation | $-20 \ldots 60^{\circ} \mathrm{C}$ |
| Ambient air temperature for storage | $-60 \ldots . .80^{\circ} \mathrm{C}$ |
| Permissible ambient air temperature <br> around the device | $-40 \ldots 70^{\circ} \mathrm{C}$ at Uc |
| Operating altitude | 3000 m without derating in temperature |
| Fire resistance | $850^{\circ} \mathrm{C}$ conforming to IEC $60695-2-1$ |
| Flame retardance | V1 conforming to UL 94 |
| Mechanical robustness | Shocks contactor closed 15 Gn for 11 ms <br> Vibrations contactor closed $4 \mathrm{Gn}, 5 \ldots .300 \mathrm{~Hz}$ <br>  <br> Shocks contactor open 10 Gn for 11 ms <br> Vibrations contactor open $2 \mathrm{Gn}, 5 . . .300 \mathrm{~Hz}$ |
| Height | 77 mm |
| Width | 45 mm |
| Depth | 86 mm |
| Product weight | 0.325 kg |

Offer Sustainability

| Sustainable offer status | Green Premium product |
| :--- | :--- |
| RoHS (date code: YYWW) | Compliant - since 0627 - Schneider Electric declaration of conformity |
|  | Reference not containing SVHC above the threshold |
| REACh | Reference not containing SVHC above the threshold |
|  | Available |
| Product environmental profile | Product environmental |
|  |  |

Product end of life instructions Available

Contractual warranty
Warranty period
18 months

