SIEMENS

Data sheet 3RT2036-1NE34



power contactor, AC-3e/AC-3, 51 A, 22 kW / 400 V, 3-pole, 48-80 V AC/DC, 50/60 Hz, with integrated varistor, auxiliary contacts: 2 NO + 2 NC, screw terminal, size: S2, removable auxiliary switch

| SIRIUS |
|--|
| Power contactor |
| 3RT2 |
| |
| S2 |
| |
| No |
| No |
| |
| 12 W |
| 4 W |
| 1 W |
| |
| 690 V |
| 690 V |
| |
| 6 kV |
| 6 kV |
| 400 V |
| |
| 6.1g / 5 ms, 3.7g / 10 ms |
| 6.1g / 5 ms, 3.7g / 10 ms |
| |
| 9.6g / 5 ms, 5.8g / 10 ms |
| 9.6g / 5 ms, 5.8g / 10 ms |
| |
| 10 000 000 |
| 5 000 000 |
| 10 000 000 |
| Q |
| 10/01/2014 |
| Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 |
| |
| 2 000 m |
| |
| -25 +60 °C |
| |
| -55 +80 °C |
| |

| relative humidity at 55 °C according to IEC 60068-2-30 maximum | 95 % |
|---|--------------|
| lain circuit | |
| number of poles for main current circuit | 3 |
| number of NO contacts for main contacts | 3 |
| operating voltage | |
| at AC-3 rated value maximum | 690 V |
| at AC-3e rated value maximum | 690 V |
| operational current | |
| • at AC-1 at 400 V at ambient temperature 40 °C rated value | 70 A |
| at AC-1 — up to 690 V at ambient temperature 40 °C rated value | 70 A |
| — up to 690 V at ambient temperature 60 °C rated value | 60 A |
| • at AC-3 | |
| — at 400 V rated value | 51 A |
| — at 500 V rated value | 51 A |
| — at 690 V rated value | 24 A |
| • at AC-3e | 27 // |
| — at 400 V rated value | 51 A |
| | |
| — at 500 V rated value | 51 A |
| at 690 V rated valueat AC-4 at 400 V rated value | 24 A 41 A |
| | |
| at AC-5a up to 690 V rated value at AC-5b up to 400 V rated value | 61.6 A |
| • at AC-5b up to 400 V rated value | 41.5 A |
| • at AC-6a | 40.0 A |
| — up to 230 V for current peak value n=20 rated value | 43.2 A |
| — up to 400 V for current peak value n=20 rated value | 43.2 A |
| — up to 500 V for current peak value n=20 rated value | 43.2 A |
| up to 690 V for current peak value n=20 rated value | 24 A |
| • at AC-6a | |
| up to 230 V for current peak value n=30 rated value | 28.8 A |
| up to 400 V for current peak value n=30 rated value | 28.8 A |
| — up to 500 V for current peak value n=30 rated value | 28.8 A |
| — up to 690 V for current peak value n=30 rated value | 24 A |
| minimum cross-section in main circuit at maximum AC-1 rated value | 25 mm² |
| operational current for approx. 200000 operating cycles at AC-4 | |
| at 400 V rated value | 24 A |
| at 690 V rated value | 20 A |
| operational current | |
| at 1 current path at DC-1 | |
| — at 24 V rated value | 55 A |
| — at 60 V rated value | 23 A |
| — at 110 V rated value | 4.5 A |
| — at 220 V rated value | 1A |
| — at 440 V rated value | 0.4 A |
| — at 600 V rated value | 0.25 A |
| with 2 current paths in series at DC-1 | |
| — at 24 V rated value | 55 A |
| — at 60 V rated value | 45 A |
| — at 110 V rated value | 45 A |
| — at 110 V rated value — at 220 V rated value | 5 A |
| | 1 A |
| — at 440 V rated value | |
| — at 600 V rated value | 0.8 A |
| with 3 current paths in series at DC-1 at 24 V sets d valve. | EE A |
| — at 24 V rated value | 55 A |
| — at 60 V rated value | 55 A |
| — at 110 V rated value | 55 A |

| — at 220 V rated value | 45 A |
|--|---|
| — at 440 V rated value | 2.9 A |
| — at 600 V rated value | 1.4 A |
| at 1 current path at DC-3 at DC-5 | |
| — at 24 V rated value | 35 A |
| — at 60 V rated value | 6 A |
| — at 220 V rated value | 1 A |
| — at 440 V rated value | 0.1 A |
| — at 600 V rated value | 0.06 A |
| with 2 current paths in series at DC-3 at DC-5 | |
| — at 24 V rated value | 55 A |
| — at 60 V rated value | 45 A |
| — at 110 V rated value | 25 A |
| — at 220 V rated value | 5 A |
| — at 440 V rated value | 0.27 A |
| — at 600 V rated value | 0.16 A |
| with 3 current paths in series at DC-3 at DC-5 | |
| — at 24 V rated value | 55 A |
| — at 60 V rated value | 55 A |
| — at 110 V rated value | 55 A |
| — at 220 V rated value | 25 A |
| — at 440 V rated value | 0.6 A |
| — at 600 V rated value | 0.35 A |
| operating power | |
| • at AC-2 at 400 V rated value | 22 kW |
| • at AC-3 | |
| — at 230 V rated value | 15 kW |
| — at 400 V rated value | 22 kW |
| — at 500 V rated value | 22 kW |
| — at 690 V rated value | 22 kW |
| • at AC-3e | |
| — at 400 V rated value | 22 kW |
| — at 500 V rated value | 22 kW |
| — at 690 V rated value | 22 kW |
| operating power for approx. 200000 operating cycles at AC- | |
| 4 a at 400 V rated value | 12 G IAM |
| at 400 V rated valueat 690 V rated value | 12.6 kW 18.2 kW |
| | IO.2 KVV |
| operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value | 17.2 ١// ٨ |
| · | 17.2 kVA 29.9 kVA |
| up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value | 37.4 kVA |
| up to 690 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value | 28.6 kVA |
| operating apparent power at AC-6a | 20.0 ((7)) |
| up to 230 V for current peak value n=30 rated value | 11.4 kVA |
| up to 400 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value | 19.9 kVA |
| up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value | 24.9 kVA |
| up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value | 28.6 kVA |
| short-time withstand current in cold operating state up to | 20.0 ((7)) |
| 40 °C | |
| limited to 1 s switching at zero current maximum | 937 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 5 s switching at zero current maximum | 697 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 10 s switching at zero current maximum | 468 A; Use minimum cross-section acc. to AC-1 rated value |
| • limited to 30 s switching at zero current maximum | 282 A; Use minimum cross-section acc. to AC-1 rated value |
| • limited to 60 s switching at zero current maximum | 229 A; Use minimum cross-section acc. to AC-1 rated value |
| no-load switching frequency | |
| • at AC | 1 500 1/h |
| • at DC | 1 500 1/h |
| operating frequency | |
| • at AC-1 maximum | 1 000 1/h |
| • at AC-2 maximum | 600 1/h |
| | |

| | | 000 4/1 |
|--|---|---|
| • al AC-4 maximum 250 th | • at AC-3 maximum | 800 1/h |
| Control circleiii Control Type of voltage at the control supply voltage at 50 Hz rated value at 50 Hz rated value at 50 Hz rated value 48 80 V at 50 Hz rated value 48 80 V at 60 Hz rated value 48 80 V at 60 Hz rated value 48 80 V control supply voltage at DC at 60 rated value operating range factor control supply voltage rated value of magnet coil at C at 60 Hz blocked-rotor current mean value 0.8 1.1 design of the surge suppressor with varietior minush current peak 1 A duration of inrush current peak 1 A duration of control supply voltage rated value of magnet coil at AC at 60 Hz apparent pick-up power of magnet coil at AC at 60 Hz at 60 Hz apparent holding power at minimum rated control supply voltage at AC at 60 Hz at 80 Hz apparent holding power at minimum rated control supply voltage at AC at 60 Hz at 80 Hz apparent holding power of magnet coil at AC at 60 Hz at 80 Hz apparent holding power of magnet coil at AC at 60 Hz at 80 Hz apparent holding power of magnet coil at AC at 60 Hz at 80 Hz apparent holding power of magnet coil at AC at 60 Hz at 80 Hz apparent holding power of magnet coil at AC at 60 Hz at 80 Hz apparent holding power of magnet coil at AC at 60 Hz at 80 Hz apparent holding power of magnet coil at AC at 60 Hz at 80 Hz apparent holding power of magnet coil at AC at 80 Hz at 80 Hz apparent holding power of magnet coil at AC at 80 Hz at 80 Hz apparent holding power of magnet coil at AC at 60 Hz at AC at 60 Hz at AC | | |
| type of voltage of the control supply voltage control supply voltage at AC * at 50 Hz rated value * at 60 Hz * | | 250 1/h |
| Control supply voltage at AC at 85 Mr rated value at 00 1/r roted value 48 80 V at 30 V control supply voltage at DC at 30 V control supply voltage rated value of magnet coil at DC at 30 V control supply voltage rated value of magnet coil at AC at 30 V at 30 V control supply voltage rated value of magnet coil at AC at 30 V at 30 V control supply voltage rated value of magnet coil at AC at 30 V at 30 V apparent holding power at minimum rated control supply voltage at DC at 50 V2 apparent holding power at minimum rated control supply voltage at AC at 50 V2 at maximum rated control supply voltage at AC at 50 V2 at maximum rated control supply voltage at AC at 50 V2 at 60 V2 apparent holding power of magnet coil at AC at 50 V2 at 50 V2 apparent holding power of magnet coil at AC at 50 V2 both did control supply voltage at AC at 50 V2 at 50 V2 at 50 V2 both did control supply voltage at AC at 50 V2 at 50 V2 both did control supply voltage at AC at 50 V2 at 50 V2 both did control supply voltage at AC at 50 V2 at 50 V2 both did control supply voltage at AC at 50 V2 both did control supply voltage at AC at 50 V2 both did control supply v | Control circuit/ Control | |
| | type of voltage of the control supply voltage | AC/DC |
| • at 60 Ptz rated value control supply voltage at DC • rated value operating range factor control supply voltage rated value of magnet coil at DC • initial value • full-scule value • at 50 Ptz • at 60 Ptz • at maximum rated control supply voltage at DC • at 50 Ptz • at 160 Ptz • at 160 Ptz • at maximum rated control supply voltage at AC • at 50 Ptz • at maximum rated control supply voltage at AC • at 50 Ptz • at maximum rated control supply voltage at AC • at 50 Ptz • at 60 Ptz • at maximum rated control supply voltage at AC • at 50 Ptz • at 60 Ptz | control supply voltage at AC | |
| control supply voltage at DC • rated value • rated value • limid value • at 80 Hz | at 50 Hz rated value | 48 80 V |
| e rated value operating range factor control supply voltage rated value of magnet coil at DC e initial value operating range factor control supply voltage rated value of magnet coil at AC e at 50 Hz at 50 Hz observator current peak 10 AB duration of incrush current peak 10 AB duration of locked-rotor current 230 ms holding current mean value 15 mA apparent pick-up power of magnet coil at AC at 50 Hz at 50 Hz at 10 Hz apparent holding power at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC at maximum rated control supply voltage at AC at 50 Hz at 50 | at 60 Hz rated value | 48 80 V |
| Operating range factor control supply voltage rated value of magnet coll at DC | control supply voltage at DC | |
| mignet coil at DC • Initial value • Initial v | rated value | 48 80 V |
| | | |
| e full-scale value operating range factor control supply voltage rated value of magnet coll at AC e at 50 Hz at 60 Hz observed by the surge suppressor insush current peak duration of inrush current peak 1 A duration of inrush current peak 1 A duration of locked-rotor current peak 4 A duration of locked-rotor current peak 1 A duration of locked-rotor current peak 4 A at 50 Hz at 60 Hz at 80 | | |
| operating range factor control supply voltage rated value of magnet coil at AC at 50 Hz 0.8 1.1 0.9 1.1 0. | | |
| misgret coil at AC at 50 Hz 0.8 1.1 e at 50 Hz 0.8 1.1 design of the surge suppressor with varistor Inrush current peak 1.A duration of Inrush current peak 30 µs locked-rotor current mean value 0.5 A locked-rotor current peak 1.A duration of locked-rotor current 230 ms holding current mean value 15 mA apparent pick-up power of magnet coil at AC 45 0 Hz 4 at 50 Hz 40 VA a paparent holding power 4 minimum rated control supply voltage at DC 2 VA 4 at maximum rated control supply voltage at AC 2 VA - at 50 Hz 2 VA< | | 1.1 |
| • at 50 Hz | | |
| e at 60 Hz dosign of the surge suppressor with varistor innush current peak 1 A | | 0.0 1.1 |
| design of the surge suppressor inrush current peak 1 A duration of trush current peak 1 A locked-rotor current mean value 1 Coked-rotor current mean value 2 O.5 A locked-rotor current mean value 3 O ms holding current man value 3 O ms holding current man value 4 O VA 4 apparent pick-up power of magnet coil at AC 4 at 50 Hz 4 O VA 4 apparent holding power 4 at minimum rated control supply voltage at DC 4 at maximum rated control supply voltage at DC 4 At maximum rated control supply voltage at AC 4 At 50 Hz 4 At 60 Hz 4 At 60 Hz 4 At 60 Hz 4 At 60 Hz 4 At maximum rated control supply voltage at AC 4 At maximum rated control supply voltage at AC 4 At 60 Hz 4 At maximum rated control supply voltage at AC 4 At 60 Hz 4 At maximum rated control supply voltage at AC 4 At 60 Hz 4 At 60 Hz 4 At maximum rated control supply voltage at AC 5 At 60 Hz 6 At 60 | | |
| Inrush current peak | | |
| duration of inrush current peak locked-rotor current mean value locked-rotor current pale valu | | |
| locked-rotor current mean value 0.5 A locked-rotor current peak | · | |
| Iocked-rotor current peak 1 A | <u> </u> | · |
| duration of locked-rotor current holding current mean value apparent pick-up power of magnet coil at AC at 50 Hz at 60 Hz apparent holding power at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC at maximum rated control supply voltage at AC at 50 Hz at 60 Hz at 60 Hz at maximum rated control supply voltage at AC at 50 Hz at maximum rated control supply voltage at AC at 50 Hz at 60 Hz but 60 Hz at 60 Hz but 60 Hz at 60 Hz at 60 Hz at 60 Hz but 60 Hz but 60 Hz closing power of magnet coil at DC closing power of magnet coil at DC closing delay at AC at AC | | |
| holding current mean value apparent pick-up power of magnet coil at AC a t 50 Hz a t 60 Hz apparent holding power at minimum rated control supply voltage at DC at minimum rated control supply voltage at DC at minimum rated control supply voltage at DC at minimum rated control supply voltage at AC a 150 Hz a t minimum rated control supply voltage at AC a 150 Hz a t maximum rated control supply voltage at AC a 150 Hz a t maximum rated control supply voltage at AC a 150 Hz a t maximum rated control supply voltage at AC a 150 Hz a t maximum rated control supply voltage at AC a 150 Hz 2 VA apparent holding power of magnet coil at AC at 50 Hz at 60 Hz 2 VA apparent holding power of magnet coil at AC at 50 Hz b at 60 Hz c 2 VA apparent holding power of magnet coil at AC at 50 Hz b at 60 Hz c 2 VA at 60 Hz b 10 Ms at 60 Hz c 2 VA at 60 Hz b 2 VA at 60 Hz b 30 Ms closing power of magnet coil at DC closing power of magnet coil at DC dolding power of magnet coil at DC at AC at | <u> </u> | |
| apparent pick-up power of magnet coil at AC at 150 Hz 40 VA at 60 Hz apparent holding power at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC apparent holding power at minimum rated control supply voltage at DC apparent holding power at minimum rated control supply voltage at DC apparent holding power at minimum rated control supply voltage at AC —at 50 Hz —at 60 Hz 2 VA 2 VA at an aximum rated control supply voltage at AC —at 50 Hz 2 VA at 60 Hz 2 VA apparent holding power of magnet coil at AC at 50 Hz 2 VA at 60 Hz 1 VA at 60 Hz bat 60 Hz at 60 Hz 1 VA at 60 Hz at 60 Hz bat 60 Hz 1 VA at 60 Hz bat 60 Hz closing power for magnet coil at DC closing power of magnet coil at DC closing power of magnet coil at DC at AC | | |
| at 50 Hz at 60 Hz apparent holding power at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC aparent holding power at minimum rated control supply voltage at DC aparent holding power at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 2 VA — at 60 Hz 2 VA — at 50 Hz 2 VA apparent holding power of magnet coil at AC — at 50 Hz 2 VA apparent holding power of magnet coil at AC at 60 Hz 2 VA apparent holding power of magnet coil at AC at 60 Hz 2 VA at 60 Hz 3 VA inductive power factor with the holding power of the coil at 60 Hz bidding power of magnet coil at DC at 60 Hz bidding power of magnet coil at DC 23 W holding power of magnet coil at DC 1 W Closing delay at AC at AC 35 110 ms at DC 35 110 ms at DC 30 55 ms | | 15 mA |
| apparent holding power at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC apparent holding power at minimum rated control supply voltage at AC at 50 Hz at maximum rated control supply voltage at AC at 50 Hz at 60 Hz at 60 Hz 2 VA apparent holding power of magnet coil at AC at 50 Hz at 60 Hz 2 VA apparent holding power of magnet coil at AC at 50 Hz at 60 Hz 2 VA apparent holding power of magnet coil at AC at 50 Hz at 60 Hz 1 VA apparent holding power of magnet coil at AC at 50 Hz at 60 Hz 1 VA and so Hz closing power of magnet coil at DC closing power of magnet coil at DC closing delay at AC at AC at AC at DC at AC at DC at DC control version of the switch operating mechanism Control version of the switch operating mechanism control version of the switch operating mechanism control version of the switch operating round and control accounts of a uxiliary contacts instantaneous contact poperational current at AC-12 maximum 10 A | | |
| apparent holding power at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC at maximum rated control supply voltage at AC — at 50 Hz — at 60 Hz 2 VA at maximum rated control supply voltage at AC — at 50 Hz 2 VA — at 60 Hz 2 VA — at 50 Hz 2 VA apparent holding power of magnet coil at AC at 50 Hz 2 VA apparent holding power of magnet coil at AC at 50 Hz 2 VA apparent holding power of magnet coil at AC at 50 Hz 2 VA at 60 Hz 2 VA inductive power factor with the holding power of the coil at 50 Hz 2 VA inductive power factor with the holding power of the coil at 50 Hz 3 VA inductive power of magnet coil at DC 2 VA inductive power of magnet coil at DC 2 VA inductive power of magnet coil at DC 3 VB closing power of magnet coil at DC 3 VB holding power of magnet coil at DC closing delay at AC 3 S 110 ms opening delay at AC 3 VB at DC 3 VB at DC 3 VB at DC 3 VB at DC 3 VB standard A1 - A2 Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact poperational current at AC-12 maximum 10 A | ● at 50 Hz | |
| at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC apparent holding power at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz — at 50 Hz — at 60 Hz — at 50 Hz — at 60 Hz apparent holding power of magnet coil at AC at 50 Hz — at 60 Hz 2 VA apparent holding power of magnet coil at AC at 50 Hz — at 60 Hz 2 VA al 60 Hz but 60 Hz closing power factor with the holding power of the coil at 50 Hz at 60 Hz closing power of magnet coil at DC but 60 Hg at AC at AC at AC at AC at AC at DC 35 110 ms at DC at DC 35 110 ms at DC at DC 30 55 ms arcing time contact contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact poperational current at AC-12 maximum 10 A | • at 60 Hz | 40 VA |
| at maximum rated control supply voltage at DC apparent holding power at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz apparent holding power of magnet coil at AC — at 50 Hz — at 60 Hz apparent holding power of magnet coil at AC at 50 Hz binductive power factor with the holding power of the coil at 50 Hz at 60 Hz binductive power factor with the holding power of the coil at 50 Hz binductive power factor with the holding power of the coil at 50 Hz binductive power of magnet coil at DC closing power of magnet coil at DC closing power of magnet coil at DC toloning delay at AC at DC at AC at DC 35 110 ms opening delay at AC at DC 30 55 ms arcing time control version of the switch operating mechanism Auxillary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A | | |
| apparent holding power at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 2 VA at maximum rated control supply voltage at AC — at 50 Hz — at 60 Hz 2 VA apparent holding power of magnet coil at AC at 50 Hz 2 VA apparent holding power of magnet coil at AC at 50 Hz 2 VA inductive power factor with the holding power of the coil at 50 Hz 0.95 at 60 Hz 0.95 closing power of magnet coil at DC 1 W closing power of magnet coil at DC 1 W closing delay at AC 35 110 ms at DC opening delay at AC 30 55 ms arcing time control version of the switch operating mechanism Auxillary circuit number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A | at minimum rated control supply voltage at DC | 2 VA |
| at minimum rated control supply voltage at AC — at 50 Hz — at 60 Hz 2 VA at maximum rated control supply voltage at AC — at 50 Hz — at 60 Hz 2 VA apparent holding power of magnet coil at AC at 50 Hz 2 VA at 60 Hz 2 VA at 60 Hz 2 VA inductive power factor with the holding power of the coil at 50 Hz 0.95 at 60 Hz 0.95 closing power of magnet coil at DC 1 W closing delay at AC at AC 35 110 ms at AC at AC 35 110 ms opening delay at AC at AC 30 55 ms arcing time 10 20 ms control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A | at maximum rated control supply voltage at DC | 2 VA |
| - at 50 Hz | apparent holding power | |
| - at 60 Hz 2 VA • at maximum rated control supply voltage at AC - at 50 Hz 2 VA - at 60 Hz 2 VA apparent holding power of magnet coil at AC • at 50 Hz 2 VA • at 60 Hz 2 VA • at 60 Hz 2 VA inductive power factor with the holding power of the coil • at 50 Hz 0.95 • at 60 Hz 0.95 closing power of magnet coil at DC 23 W holding power of magnet coil at DC 1 W closing delay • at AC 35 110 ms • at DC 35 110 ms opening delay • at AC 30 55 ms • at DC arcing time 10 20 ms control version of the switch operating mechanism Standard A1 - A2 AUXIliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A | at minimum rated control supply voltage at AC | |
| at maximum rated control supply voltage at AC — at 50 Hz — at 60 Hz apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz • at 60 Hz Closing power of magnet coil at DC holding power of magnet coil at DC 23 W holding power of magnet coil at DC tosing delay • at AC • at DC • at D | — at 50 Hz | 2 VA |
| - at 50 Hz - at 60 Hz 2 VA apparent holding power of magnet coil at AC | — at 60 Hz | 2 VA |
| apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz • at 60 Hz • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz • at 60 Hz closing power of magnet coil at DC tolding power of magnet coil at DC at AC • at DC opening delay • at AC • at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A | at maximum rated control supply voltage at AC | |
| apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz • at 60 Hz • at 60 Hz 0.95 closing power of magnet coil at DC toloing power of magnet coil at DC 1 W closing delay • at AC • at DC | — at 50 Hz | 2 VA |
| | — at 60 Hz | 2 VA |
| at 60 Hz inductive power factor with the holding power of the coil at 50 Hz at 60 Hz 0.95 closing power of magnet coil at DC holding power of magnet coil at DC tolosing delay at AC at DC opening delay at AC at DC opening delay at AC at DC at AC bat DC at AC copening delay at AC at DC at | apparent holding power of magnet coil at AC | |
| inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz Closing power of magnet coil at DC toloing power of magnet coil at DC closing delay • at AC • at DC opening delay • at AC • at DC • at DC arcing time control version of the switch operating mechanism Auxilliary circuit number of NC contacts for auxilliary contacts instantaneous contact number of NO contacts for auxilliary contacts instantaneous contact operational current at AC-12 maximum 10 20 ms 2 10 A | • at 50 Hz | 2 VA |
| at 50 Hz at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC at DC st DC opening delay at AC at DC at DC at DC at AC at DC opening delay at AC at DC | • at 60 Hz | 2 VA |
| at 50 Hz at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC at DC st DC opening delay at AC at DC at DC at DC at AC at DC opening delay at AC at DC | inductive power factor with the holding power of the coil | |
| e at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC tolosing delay e at AC at DC opening delay e at AC at DC ot AC at DC at DC acring time control version of the switch operating mechanism control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A | | 0.05 |
| closing power of magnet coil at DC holding power of magnet coil at DC tlosing delay at AC at AC at DC opening delay at AC at | ♥ at 50 mz | 0.95 |
| holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC opening delay at AC at DC other at DC | | |
| closing delay • at AC • at DC 35 110 ms opening delay • at AC • at DC 30 55 ms • at DC 30 55 ms arcing time 10 20 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A | • at 60 Hz | 0.95 |
| at AC at DC 35 110 ms opening delay at AC at DC at DC at DC arcing time control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact perational current at AC-12 maximum 10 A | at 60 Hz closing power of magnet coil at DC | 0.95 23 W |
| at DC opening delay at AC at DC at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact perational current at AC-12 maximum 35 110 ms 35 110 ms 36 55 ms 40 20 ms 51 standard A1 - A2 2 contact 2 contact 10 A | at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC | 0.95 23 W |
| opening delay | at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay | 0.95 23 W 1 W |
| at AC at DC 30 55 ms arcing time 10 20 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact perational current at AC-12 maximum 10 A | at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC | 0.95 23 W 1 W |
| ● at DC arcing time 10 20 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 30 55 ms 5tandard A1 - A2 2 2 10 A | at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC | 0.95 23 W 1 W |
| arcing time 10 20 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous 2 contact operational current at AC-12 maximum 10 A | at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay | 0.95 23 W 1 W 35 110 ms 35 110 ms |
| control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum Standard A1 - A2 2 10 A | at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC | 0.95 23 W 1 W 35 110 ms 35 110 ms |
| Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A | at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC opening delay at AC at DC | 0.95 23 W 1 W 35 110 ms 35 110 ms 30 55 ms 30 55 ms |
| number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 2 10 A | at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC arcing time | 0.95 23 W 1 W 35 110 ms 35 110 ms 30 55 ms 30 55 ms 10 20 ms |
| contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum 10 A | at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC arcing time control version of the switch operating mechanism | 0.95 23 W 1 W 35 110 ms 35 110 ms 30 55 ms 30 55 ms 10 20 ms |
| contact operational current at AC-12 maximum 10 A | at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC arcing time control version of the switch operating mechanism Auxiliary circuit | 0.95 23 W 1 W 35 110 ms 35 110 ms 30 55 ms 10 20 ms Standard A1 - A2 |
| | at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact | 0.95 23 W 1 W 35 110 ms 35 110 ms 30 55 ms 10 20 ms Standard A1 - A2 |
| operational current at AC-15 | at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact | 0.95 23 W 1 W 35 110 ms 35 110 ms 30 55 ms 30 55 ms 10 20 ms Standard A1 - A2 |
| | at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact | 0.95 23 W 1 W 35 110 ms 35 110 ms 30 55 ms 30 55 ms 10 20 ms Standard A1 - A2 |
| at 230 V rated value 6 A | at 60 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay at AC at DC opening delay at AC at DC arcing time control version of the switch operating mechanism Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum | 0.95 23 W 1 W 35 110 ms 35 110 ms 30 55 ms 30 55 ms 10 20 ms Standard A1 - A2 |

| • at 400 V rated value | 3 A |
|--|---|
| • at 500 V rated value | 2 A |
| at 690 V rated value | 1 A |
| operational current at DC-12 | |
| • at 24 V rated value | 10 A |
| at 48 V rated value | 6 A |
| at 60 V rated value | 6 A |
| at 110 V rated value | 3 A |
| at 125 V rated value | 2 A |
| at 220 V rated value | 1 A |
| at 600 V rated value | 0.15 A |
| operational current at DC-13 | |
| at 24 V rated value | 6 A |
| • at 48 V rated value | 2 A |
| at 60 V rated value | 2 A |
| at 110 V rated value | 1 A |
| at 125 V rated value | 0.9 A |
| at 220 V rated value | 0.3 A |
| • at 600 V rated value | 0.1 A |
| contact reliability of auxiliary contacts | 1 faulty switching per 100 million (17 V, 1 mA) |
| UL/CSA ratings | |
| full-load current (FLA) for 3-phase AC motor | |
| • at 480 V rated value | 52 A |
| at 400 V rated value at 600 V rated value | 52 A 52 A |
| yielded mechanical performance [hp] | 02 A |
| • for single-phase AC motor | |
| — at 110/120 V rated value | 3 hp |
| — at 230 V rated value | |
| | 10 hp |
| • for 3-phase AC motor | 45 ha |
| — at 200/208 V rated value | 15 hp |
| — at 220/230 V rated value | 15 hp |
| — at 460/480 V rated value | 40 hp |
| — at 575/600 V rated value | 50 hp |
| contact rating of auxiliary contacts according to UL | A600 / Q600 |
| Short-circuit protection | |
| design of the fuse link | |
| for short-circuit protection of the main circuit | |
| — with type of coordination 1 required | gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA) |
| — with type of assignment 2 required | gG: 80A (690V,100kA), aM: 50A (690V,100kA), BS88: 63A (415V,80kA) |
| for short-circuit protection of the auxiliary switch required | gG: 10 A (500 V, 1 kA) |
| Installation/ mounting/ dimensions | |
| mounting position | +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface |
| fastening method | screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 |
| side-by-side mounting | Yes |
| height | 114 mm |
| width | 55 mm |
| depth | 174 mm |
| required spacing | |
| with side-by-side mounting | |
| — forwards | 10 mm |
| — upwards | 10 mm |
| — downwards | 10 mm |
| — at the side | 0 mm |
| for grounded parts | |
| — forwards | 10 mm |
| — upwards | 10 mm |
| — at the side | |
| | 6 mm |
| — downwards | 6 mm 10 mm |
| — downwards• for live parts | |

| — pywards — downwards — at the side Connections/Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil ype of connectable conductor cross-sections for main contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end process | — forwards | 10 mm |
|--|--|--|
| - downwards — at the side 6 mm Connections/ terminals Type of electrical connection • for main current circuit screw-type terminals • of maxiliary and control circuit screw-type terminals • of maxiliary and control cross-sections for main contacts • of magnet coil Screw-type terminals • solid or stranded • finely stranded with core end processing 2x (1 35 mm²), 1x (1 35 mm²) • finely stranded with core end processing 2x (1 25 mm²), 1x (1 35 mm²) • finely stranded with core end processing 1 35 mm² • for auxiliary contacts • solid or stranded • finely stranded with core end processing 0.5 2.5 mm² • for auxiliary contacts • solid or stranded • finely stranded with core end processing 0.5 2.5 mm² • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for for auxiliary contacts • for auxiliary conta | | |
| The side of mm Connections / Terminals Type of electrical connection • for main current circuit • for auxiliary and control circuit • for auxiliary and control circuit • for auxiliary and control circuit • for auxiliary contacts • of magnet coil Screw-type terminals • of magnet coil Screw-type terminals • of magnet coil Screw-type terminals • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-sections • for auxiliary contacts • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for AVNC cables for auxiliary contacts • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for AVNC cables for auxiliary contacts - solid or stranded - finely stranded with core end processing • for AVNC cables for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with c | · | |
| type of electrical connection for main current circuit at contactor for auxiliary and control circuit at contactor for auxiliary and control circuit at contactor for auxiliary contacts of magnet coil type of connectable conductor cross-sections for main contacts solid or stranded finely stranded with core end processing connectable conductor cross-section for main contacts finely stranded with core end processing connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing consultable conductor cross-sections for auxiliary contacts — solid or stranded — finely stranded with core end processing for auxiliary contacts — solid or stranded — finely stranded with core end processing for auxiliary contacts — solid or stranded — finely stranded with core end processing for auxiliary contacts — solid or stranded — finely stranded with core end processing for auxiliary contacts — solid or stranded — finely stranded with core end processing for auxiliary contacts — solid or stranded — finely stranded with core end processing for auxiliary contacts — solid or stranded — finely stranded with core end processing at contacts — solid or stranded — finely stranded with core end processing at contacts — solid or stranded — finely stranded with core end processing at contacts — solid or stranded — finely stranded with core end processing at contacts — solid or stranded 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 1.5 mm | | |
| type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross-section • for main contacts • for main contacts • for or auxiliary contacts 18 1 • positively driven operation according to IEC 60947-8-1 vestively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF Bro value with high demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to IEC 60529 finger-safe, for vertical contact from the front | | 6 mm |
| • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing of auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross-section • for main contacts - for auxiliary contacts 2u (20 15, mm²), 2x (0.75 2.5 mm²) • for auxiliary contacts 2u (20 16), 2x (18 14) AWG number as coded connectable conductor cross-section • for main contacts - for auxiliary contacts 2u 14 Safety related data product function • mirror contact according to IEC 60947-6-1 • positively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF B10 value with high demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rat | | |
| • for auxiliary and control circuit • at contactor for auxiliary contacts • of magnet coil type of connectable conductor cross-sections for main contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded - finely stranded with core end processing - for auxiliary contacts - solid or stranded - finely stranded with core end processing - for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross-section • for rain contacts • for auxiliary contacts - for auxiliary contacts | | |
| at contactor for auxiliary contacts by of magnet coil type of connectable conductor cross-sections for main contacts solid or stranded finely stranded with core end processing connectable conductor cross-section for main contacts finely stranded with core end processing connectable conductor cross-section for maxiliary contacts solid or stranded finely stranded with core end processing connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing connectable conductor cross-section for auxiliary contacts solid or stranded finely stranded with core end processing for auxiliary contacts solid or stranded finely stranded with core end processing x(0.52.5 mm² x(0.51.5 mm²), 2x (0.752.5 mm²) x(| | |
| of magnet coil type of connectable conductor cross-sections for main contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • solid or stranded • for auxiliary contacts • solid or stranded • for AWG cables for auxiliary contacts • for auxiliary contacts | • | |
| type of connectable conductor cross-sections for main contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts • for AWG cables for auxiliary contacts • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross-section • for main contacts • for auxiliary contacts 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) AWG number as coded connectable conductor cross-section • for main contacts • for auxiliary contacts 20 14 Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 suitability for use safety-related switching OFF Yes B10 value with high demand rate according to SN 31920 • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to IEC 60529 finger-safe, for vertical contact from the front | · | |
| • solid or stranded • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts | | Screw-type terminals |
| • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing finely stranded with core end processing • finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for auxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing • for AWG cables for auxiliary contacts - solid or stranded - finely stranded with core end processing • for fave stranded connectable conductor cross section • for main contacts • for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - for auxiliary contacts - solid contacts - for auxiliary cont | | |
| connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross-section • for main contacts • for auxiliary contacts 18 1 • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts 18 1 • for auxiliary contacts 20 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) AWG number as coded connectable conductor cross-section • for main contacts • for auxiliary contacts 20 14 Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF Yes B10 value with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 100 FIT T1 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front | | |
| • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts 2x (20 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 1.5 mm²), 2x (0.75 2.5 mm²) 4x (20 16), 2x (18 14) AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 20 14 Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF Yes B10 value with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 100 FIT T1 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front | finely stranded with core end processing | 2x (1 25 mm²), 1x (1 35 mm²) |
| connectable conductor cross-section for auxiliary contacts | connectable conductor cross-section for main contacts | |
| • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing — solid or stranded — finely stranded with core end processing — finely stranded with core end processing — for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 18 1 • for auxiliary contacts 20 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14) AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 20 14 Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF Yes B10 value with high demand rate according to SN 31920 1 000 000 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 1 000 FIT T1 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front | finely stranded with core end processing | 1 35 mm² |
| • finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 18 1 • for auxiliary contacts 20 14 Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF Yes B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with low demand rate according to SN 31920 100 FIT T1 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front | connectable conductor cross-section for auxiliary contacts | |
| type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for main contacts • for auxiliary contacts 18 1 • for auxiliary contacts 18 1 • for auxiliary contacts • for auxiliary contacts 18 1 • for auxiliary contacts • for auxiliary contacts 18 1 • for auxiliary contacts • product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 suitability for use safety-related switching OFF B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 100 FIT 11 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front | solid or stranded | 0.5 2.5 mm ² |
| • for auxiliary contacts — solid or stranded — finely stranded with core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts 20 14 Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 suitability for use safety-related switching OFF B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 100 FIT 11 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front | finely stranded with core end processing | 0.5 2.5 mm² |
| - solid or stranded - finely stranded with core end processing - finely stranded with core end processing - for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section - for main contacts - for auxiliary auxiliary auxiliary auxiliary auxiliary auxiliary auxilia | type of connectable conductor cross-sections | |
| - finely stranded with core end processing | for auxiliary contacts | |
| • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts • for auxiliary contacts 20 14 Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 100 FIT T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front | — solid or stranded | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) |
| AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 20 14 Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 suitability for use safety-related switching OFF B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 100 FIT T1 value for proof test interval or service life according to IEC 60529 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front | finely stranded with core end processing | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) |
| e for main contacts • for auxiliary contacts 18 1 20 14 Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with pigh demand rate according to SN 31920 • | for AWG cables for auxiliary contacts | 2x (20 16), 2x (18 14) |
| for auxiliary contacts 20 14 Safety related data product function mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 No suitability for use safety-related switching OFF Yes B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 indicate the first of the first according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front | | |
| product function | • for main contacts | 18 1 |
| product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 suitability for use safety-related switching OFF B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to IEC 61508 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front | for auxiliary contacts | 20 14 |
| mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 suitability for use safety-related switching OFF B10 value with high demand rate according to SN 31920 proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 100 FIT T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front | Safety related data | |
| positively driven operation according to IEC 60947-5-1 suitability for use safety-related switching OFF B10 value with high demand rate according to SN 31920 proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front | product function | |
| suitability for use safety-related switching OFF B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front | mirror contact according to IEC 60947-4-1 | Yes |
| B10 value with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front | positively driven operation according to IEC 60947-5-1 | No |
| proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front | suitability for use safety-related switching OFF | Yes |
| with low demand rate according to SN 31920 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front | B10 value with high demand rate according to SN 31920 | 1 000 000 |
| with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front | proportion of dangerous failures | |
| failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front | with low demand rate according to SN 31920 | 40 % |
| T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front | with high demand rate according to SN 31920 | 73 % |
| protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front | failure rate [FIT] with low demand rate according to SN 31920 | 100 FIT |
| touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front | | 20 a |
| | protection class IP on the front according to IEC 60529 | IP20 |
| Certificates/ approvals | touch protection on the front according to IEC 60529 | finger-safe, for vertical contact from the front |
| | Certificates/ approvals | |

General Product Approval





Confirmation



<u>KC</u>



Functional

EMC Safety/Safety of Machinery Declaration of Conformity Test Certificates



Type Examination Certificate

CE



Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping



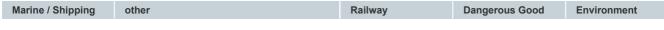














ConfirmationConfirmationVibration and ShockTransport InformationEnvironmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2036-1NE34

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2036-1NE34

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RT2036-1NE34

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

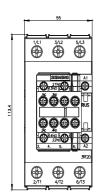
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2036-1NE34&lang=en

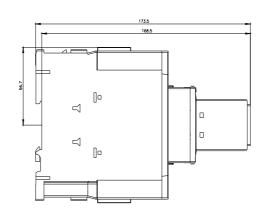
Characteristic: Tripping characteristics, I2t, Let-through current

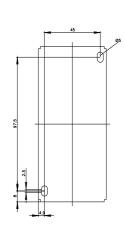
https://support.industry.siemens.com/cs/ww/en/ps/3RT2036-1NE34/char

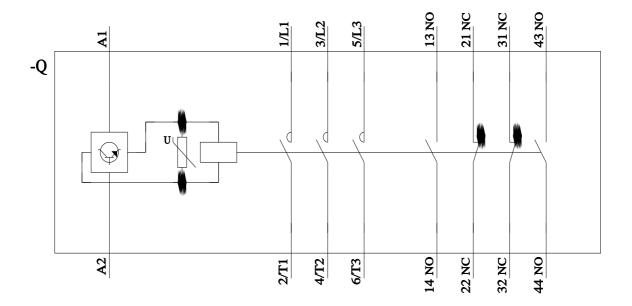
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2036-1NE34&objecttype=14&gridview=view1









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