SIEMENS

Data sheet

3RT1476-6AF36



Contactor, AC-1, 690 A/690 V/40 $^\circ\text{C},$ S12, 3-pole, 110-127 V AC/DC, with varistor, 2 NO+2 NC, Connection rail/ screw terminal

| product brand name | SIRIUS |
|---|----------------------------|
| product designation | Contactor |
| product type designation | 3RT14 |
| General technical data | |
| size of contactor | S12 |
| product extension | |
| function module for communication | No |
| auxiliary switch | Yes |
| power loss [W] for rated value of the current | |
| at AC in hot operating state | 185.7 W |
| at AC in hot operating state per pole | 61.9 W |
| without load current share typical | 10 W |
| insulation voltage | |
| of main circuit with degree of pollution 3 rated value | 1 000 V |
| of auxiliary circuit with degree of pollution 3 rated value | 500 V |
| surge voltage resistance | |
| of main circuit rated value | 8 kV |
| of auxiliary circuit rated value | 6 kV |
| shock resistance at rectangular impulse | |
| • at AC | 8,5g / 5 ms, 4,2g / 10 ms |
| ● at DC | 8,5g / 5 ms, 4,2g / 10 ms |
| shock resistance with sine pulse | |
| ● at AC | 13,4g / 5 ms, 6,5g / 10 ms |
| ● at DC | 13,4g / 5 ms, 6,5g / 10 ms |
| mechanical service life (switching cycles) | |
| of contactor typical | 10 000 000 |
| of the contactor with added electronically optimized auxiliary switch block typical | 5 000 000 |
| of the contactor with added auxiliary switch block typical | 10 000 000 |
| reference code according to IEC 81346-2 | Q |
| Substance Prohibitance (Date) | 05/01/2012 |
| Ambient conditions | |
| installation altitude at height above sea level maximum | 2 000 m |
| ambient temperature | |
| during operation | -25 +60 °C |
| during storage | -55 +80 °C |
| relative humidity minimum | 10 % |
| relative humidity at 55 $^\circ\mathrm{C}$ according to IEC 60068-2-30 | 95 % |

| maximum | _ |
|---|------------------|
| Main circuit | |
| number of poles for main current circuit | 3 |
| number of NO contacts for main contacts | - 3 |
| number of NC contacts for main contacts | - 0 |
| type of voltage for main current circuit | _ AC |
| operational current | |
| • at AC-1 | |
| — up to 690 V at ambient temperature 40 °C | 690 A |
| rated value | 000 A |
| — up to 690 V at ambient temperature 55 °C rated value | 650 A |
| — up to 690 V at ambient temperature 60 °C | 650 A |
| rated value | |
| • at AC-3 | |
| — at 400 V rated value | 170 A |
| — at 690 V rated value | 170 A |
| minimum cross-section in main circuit at maximum AC-1 rated value | 480 mm² |
| no-load switching frequency | |
| • at AC | 2 000 1/h |
| • at DC | 2 000 1/h |
| operating frequency at AC-1 maximum | 600 1/h |
| Control circuit/ Control | |
| type of voltage | AC/DC |
| type of voltage of the control supply voltage | AC/DC |
| control supply voltage at AC | |
| at 50 Hz rated value | 110 127 V |
| • at 60 Hz rated value | 110 127 V |
| control supply voltage at DC | |
| rated value | 110 127 V |
| operating range factor control supply voltage rated | |
| value of magnet coil at DC | |
| initial value | 0.8 |
| • full-scale value | 1.1 |
| operating range factor control supply voltage rated | |
| value of magnet coil at AC | |
| • at 50 Hz | 0.8 1.1 |
| • at 60 Hz | 0.8 1.1 |
| design of the surge suppressor | with varistor |
| apparent pick-up power of magnet coil at AC | |
| • at 50 Hz | 830 VA |
| inductive power factor with closing power of the coil • at 50 Hz | 0.9 |
| apparent holding power of magnet coil at AC | |
| • at 50 Hz | 9.2 VA |
| inductive power factor with the holding power of the coil | |
| • at 50 Hz | 0.9 |
| closing power of magnet coil at DC | 920 W |
| holding power of magnet coil at DC | 10 W |
| closing delay | |
| • at AC | 45 100 ms |
| ● at DC | 45 100 ms |
| opening delay | |
| • at AC | 60 100 ms |
| • at DC | 60 100 ms |
| arcing time | 10 15 ms |
| control version of the switch operating mechanism | Standard A1 - A2 |
| Auxiliary circuit | |
| | 2 |
| number of NC contacts for auxiliary contacts | |

| | a attachabla | 4 |
|---|--|---|
| number of NO contacts for auxiliary contacts 2 • Ittischable 4 • Ittischable 2 operational current at AC-12 maximum 10 A operational current at AC-15 6 • Ittischable 3A • Ittischable 6A • Ittischable 3A • Ittischable 1A operational current at AC-15 6 • Ittischable 1A operational current at AC-15 1A operational current at AC-16 1A of A Oracle value 2A • Itto V rated value 0A op at A Do (230 V, 400 A) Contact ittosition contact reliability of auxilary contacts 1 faulty switching per 100 million (17 V, 1 mA) Stort-Contar protection No design of the minan circuit ge: 800 A (850 V, 50 KA) or short-Caruit protection No de | | |
| | | |
| • instantaneous contact 2 operational current at AC-15 0 A • at 230 V rated value 6 A • at 300 V rated value 2 A • at 600 V rated value 2 A • at 600 V rated value 2 A • at 600 V rated value 2 A • at 60 V rated value 0 A • at 80 V rated value < | - | |
| operational current at AC-12 maximum 10 A operational current at AC-15 6 A • at 230 V rated value 3 A • at 300 V rated value 3 A • at 300 V rated value 1 A • operational current at DC-13 10 A • at 400 V rated value 1 A • at 400 V rated value 2 A • at 40 V rated value 2 A • at 10 V rated value 2 A • at 10 V rated value 0.9 A • at 10 V rated value 0.9 A • at 122 V rated value 0.1 A gesign of the ministure circuit breaker for short-circuit protection 1 faulty switching per 100 million (17 V, 1 mA) Stort-circuit protection of the suiking switch required 1 faulty switching per 100 million (17 V, 1 mA) Stort-circuit protection of the suiking switch required 1 faulty switching per 100 million (17 V, 1 mA) Stort-circuit protection of the maximi circuit 9G: 10 A (680 V, 100 kA) - with type of asognment 2 required gG: 10 A (680 V, 100 kA) - of the sub link 10 mm - for short-circuit protection of the auximi sy switch required 225 mm featering method | | |
| operational current at AC-15 6 • at 230 Vrated value 3 A • at 500 Vrated value 3 A • at 500 Vrated value 2 A • at 500 Vrated value 1 A operational current at DC-13 1 A • at 60 Vrated value 1 A operational current at DC-13 1 A • at 60 Vrated value 2 A • at 61 Vrated value 1 A • at 610 Vrated value 0 A • at 25 Vrated value 0 A • or stort-circuit protection g8: 10 A (680 V, 400 A) product function short circuit protection d8: 10 A (680 V, 100 KA) • or stort-circuit protection of the main circuit g6: 10 A (680 V, 100 KA) • or stort-circuit protection of the auxiliary switch required g6: 10 A (600 V, 100 KA) • or storotacis au | | |
| at 230 V rated value at 630 V rated value at 630 V rated value at 630 V rated value at 630 V rated value 1A operational current at DC-13 at 64 V rated value at 64 V rated value 10 A at 64 V rated value 2A at 610 V rated value 03 A at 620 V rated value 03 A at 620 V rated value 03 A at 620 V rated value 03 A at 600 V rated value 01 A (230 V, 400 A) contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) Short-circuit protection of the main circuit or short-circuit protection of the main circuit or short-circuit protection of the main circuit or short-circuit protection of the auxiliary switch regulad or switch 30 or m | - | |
| is at 400 V rated value is at 500 V rated value is at 40 V rated value is at 500 V rate 500 V rated value is at 500 V rated value i | - | 6 A |
| • at 500 V rated value 2 A • at 500 V rated value 1 A • at 24 V rated value 10 A • at 48 V rated value 10 A • at 48 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 0.9 A • at 125 V rated value 0.1 A • at 20 V rated value 0.1 A • at 20 V rated value 0.1 A • at 300 V rated value 0.1 A • at thype of assin | | |
| • at 850 V rated value 1 A operational current at 0C-13 0 • at 24 V rated value 2 A • at 80 V rated value 2 A • at 10 V rated value 1 A • at 25 V rated value 0.9 A • at 22 V rated value 0.3 A • at 200 V rated value 0.1 A • et 300 V rated value 0.1 A • of rastort-circuit protection 96: 10 A (500 V, 400 A) • of rastort-circuit protection of the main circuit 97: 710 A (600 V, 10 KA) • et solo 98: 710 A (600 V, 1 KA) • et solo 98: 710 A (600 V, 1 KA) • et solo 98: 710 A (600 V, 1 KA) • et solo 98: 710 A (600 V, 1 KA) • et solo 98: 710 A (600 V, 1 KA) < | | |
| operational current at DC-13 10 A • at 24 V rated value 10 A • at 48 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 2 A • at 125 V rated value 0.9 A • at 220 V rated value 0.1 A design of the miniature circuit breaker for short-circuit protection of the auxiliary water equired 01 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) Short-circuit protection of the main circuit - with type of coordination 1 required - with type of coordination 1 required gG: 800 A (680 V, 50 kA) - with type of coordination 1 required gG: 800 A (680 V, 50 kA) - with type of coordination 1 required gG: 800 A (680 V, 10 kA) - with type of coordination 1 required gG: 800 A (680 V, 10 kA) - with type of coordination 1 required gG: 800 A (680 V, 10 kA) - with type of coordination 1 required gG: 800 A (680 V, 10 kA) - for short-circuit protection of the auxiliary switch gG: 800 A (680 V, 10 kA) - for watch calcular protection of the auxiliary switch gG: 800 A (680 V, 10 kA) - for wards 20 mm <td></td> <td></td> | | |
| • at 24 V rated value 10 Å • at 80 V rated value 2 Å • at 80 V rated value 2 Å • at 100 V rated value 1 Å • at 220 V rated value 0 3 Å • at 220 V rated value 0 3 Å • at 200 V rated value 0 3 Å • at 200 V rated value 0 3 Å • at 200 V rated value 0 1 Å design of the miniature circuit breaker for short-circuit grotection gG: 10 Å (230 V, 400 Å) protect functions short circuit protection 1 faulty switching per 100 million (17 V, 1 mÅ) Short-circuit protection No design of the fuse link No • for short-circuit protection of the anin circuit gG: 800 Å (690 V, 100 kÅ) • for short-circuit protection of the auxiliary switch required gG: 10 Å (690 V, 100 kÅ) • for short-circuit protection of the auxiliary switch required gG: 10 Å (690 V, 100 kÅ) • iside-by-side mounting with vertical mounting surface +2.2.9 " titable to the front and back side-by-side mounting Yes height 225 mm • with side-by-side mounting 225 mm • with side-by-side mounting 0 mm • diverside 0 mm • diverside 0 mm • diverside 0 mm • diverside 0 mm | | |
| • at 48 V rated value 2 A • at 60 V rated value 2 A • at 125 V rated value 0.9 A • at 25 V rated value 0.3 A • at 600 V rated value 0.1 A design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required g6: 10 A (230 V, 400 A) protection of the auxiliary switch required g6: 30 A (600 V, 50 KA) product function short circuit protection No design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required g6: 300 A (600 V, 50 KA) - with type of assignment 2 required g6: 300 A (600 V, 50 KA) - with type of assignment 2 required g6: 300 A (600 V, 50 KA) - with type of assignment 2 required g6: 10 A (500 V, 10 KA) - with type of assignment 2 required g6: 300 A (600 V, 50 KA) mounting position with vertical mounting surface +/-00" rotatable, with vertical mounting surface +/-20" rotatable, with vertical mounting s | • | 10 A |
| • at 60 V rated value 2 A • at 110 V rated value 1 A • at 120 V rated value 0 9 A • at 220 V rated value 0 3 A • at 600 V rated value 0 1 A design of the miniature circuit breaker for short-circuit protection of the auxility switch required 0 1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) Short-circuit protection Mo design of the fuse link No • for short-circuit protection GS: 800 A (690 V, 50 KA) - with type of assignment 2 required GS: 800 A (690 V, 50 KA) - with type of assignment 2 required GS: 800 A (690 V, 50 KA) • for short-circuit protection of the auxiliary switch required gS: 10 A (500 V, 100 kA) • for short-circuit protection of the auxiliary switch gS: 10 A (500 V, 10 kA) • for short-circuit protection of the auxiliary switch gS: 10 A (500 V, 10 kA) • side-by-side mounting Yes height 214 mm width 160 mm • side-by-side mounting Yes • width 100 mm - onwards 20 mm | | |
| • at 110 V rated value 1 A • at 125 V rated value 0.9 A • at 200 V rated value 0.3 A • at 600 V rated value 0.1 A gesign of the ministure circuit breaker for short-circuit protection of the auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) Short-Circuit protection No design of the fuse link 9G: 10 A (230 V, 400 A) product function short circuit protection No design of the fuse link 9G: 800 A (690 V, 50 KA) - with type of coordination 1 required 9G: 800 A (690 V, 50 KA) - with type of coordination 1 required 9G: 10 A (500 V, 10 KA) - of short-circuit protection of the auxiliary switch required 9G: 10 A (500 V, 10 KA) - for short-circuit protection of the auxiliary switch required 9G: 10 A (500 V, 10 KA) • for short-circuit protection of the auxiliary switch required 9G: 10 A (500 V, 10 KA) • for short-circuit protection of the auxiliary switch required 9G: 10 A (500 V, 10 KA) • side-by-side mounting Screw Kaing • side-by-side mounting Yes height 214 mm witch 100 mm - onwards 20 mm - onwards 20 mm - onwards 10 mm - onwards 10 mm - onwards 10 | | |
| • at 220 V rated value 0.3 Å • at 600 V rated value 0.1 Å Øesign of the ministure circuit protection 95:10 Å (230 V, 400 Å) contact reliability of auxiliary switch required 95:10 Å (230 V, 400 Å) Short-Circuit protection No design of the taxe link • • for short-circuit protection of the main circuit - • with type of assignment 2 required 95:10 Å (580 V, 100 Å) • or short-circuit protection of the auxiliary switch required 95:10 Å (580 V, 100 Å) • for short-circuit protection of the auxiliary switch required 95:10 Å (580 V, 100 Å) Installation/ mounting / dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tittable to the front and back fastening method screw fixing screw fixing • side-by-side mounting Yes height 214 mm with side-by-side mounting Yes • for grounded parts 20 mm - forwards 20 mm - upwards 10 mm - at the side 10 mm - at the side 10 mm - downwards 10 mm - at the side 10 mm - forwards 20 mm - forwards 10 mm - at the side 10 mm | | |
| • at 600 V rated value 0.1 A design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required gC: 10 A (230 V, 400 A) contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) Short-circuit protection No design of the fause link • for short-circuit protection of the main circuit - with type of coordination 1 required gC: 800 A (690 V, 50 KA) - with type of assignment 2 required gC: 10 A (690 V, 10 KA) - with type of assignment 2 required gC: 10 A (690 V, 10 KA) - with type of assignment 2 required gC: 10 A (690 V, 10 KA) Instalation/ mounting / faustion gC: 10 A (690 V, 1 KA) required with vertical mounting surface +/90° rotatable, with vertical mounting surface +/22.5° ittable to the front and back fastening method screw fixing • side-by-side mounting Yes height 214 mm witch 160 mm - forwards 20 mm - ownwards 10 mm - at the side 0 mm - forwards 20 mm - ownwards 10 mm - at the side 10 mm - at the side 10 mm - at the side 10 mm - forwards 20 mm - ownwards | | |
| design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required gG: 10 A (230 V, 400 A) contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) Short-circuit protection No design of the fuse link • for short-circuit protection of the main circuit - with type of assignment 2 required gG: 800 A (690 V, 50 kA) - with type of assignment 2 required gG: 10 A (250 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 10 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tittable to the front and back screw fixing Yes height 225 mm required spacing 20 mm • with side-by-side mounting 225 mm • for grounded parts 20 mm - downwards 10 mm - downwards 00 mm - downwards 10 mm - downwards 20 mm - downwards 10 mm | at 220 V rated value | 0.3 A |
| protection of the auxiliary switch required 1 contact reliability of auxiliary contacts 1 product function short circuit protection No design of the fuse link • • for short-circuit protection of the main circuit gc: 800 A (690 V, 50 kA) - with type of coordination 1 required gc: 800 A (690 V, 50 kA) - with type of assignment 2 required gc: 10 A (500 V, 10 kA) of or short-circuit protection of the auxiliary switch required gc: 10 A (500 V, 10 kA) installation/ mounting dimensions with vertical mounting surface +/-90" rotatable, with vertical mounting surface +/-90" rotatable, with vertical mounting • side-by-side mounting Yes feight 214 mm width 160 mm depth 225 mm required spacing 0 mm • width side-by-side mounting 20 mm - upwards 10 mm - at the side 0 mm - downwards 20 mm - upwards 10 mm - at the side 10 mm - at the side 10 mm - downwards 10 mm <td< td=""><td>at 600 V rated value</td><td>0.1 A</td></td<> | at 600 V rated value | 0.1 A |
| protection of the auxiliary switch required 1 contact reliability of auxiliary contacts 1 product function short circuit protection No design of the fuse link • • for short-circuit protection of the main circuit gc: 800 A (690 V, 50 kA) - with type of coordination 1 required gc: 800 A (690 V, 50 kA) - with type of assignment 2 required gc: 10 A (500 V, 10 kA) of or short-circuit protection of the auxiliary switch required gc: 10 A (500 V, 10 kA) installation/ mounting dimensions with vertical mounting surface +/-90" rotatable, with vertical mounting surface +/-90" rotatable, with vertical mounting • side-by-side mounting Yes feight 214 mm width 160 mm depth 225 mm required spacing 0 mm • width side-by-side mounting 20 mm - upwards 10 mm - at the side 0 mm - downwards 20 mm - upwards 10 mm - at the side 10 mm - at the side 10 mm - downwards 10 mm <td< td=""><td>design of the miniature circuit breaker for short-circuit</td><td>gG: 10 A (230 V, 400 A)</td></td<> | design of the miniature circuit breaker for short-circuit | gG: 10 A (230 V, 400 A) |
| Short-circuit protection No product function short circuit protection No design of the fuse link • for short-circuit protection of the main circuit gG: 800 A (690 V, 50 kA) | protection of the auxiliary switch required | |
| product function short circuit protection No design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 800 A (690 V, 50 kA) | contact reliability of auxiliary contacts | 1 faulty switching per 100 million (17 V, 1 mA) |
| design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of coordination 2 required for short-circuit protection of the auxiliary switch required gG: 800 A (690 V, 50 kA) Installation/ mounting/ dimensions gG: 10 A (500 V, 100 kA) mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back fastening method screw fixing • side-by-side mounting Yes height 214 mm width 160 mm depth 226 mm required spacing 0 mm • oth side-by-side mounting 0 mm - forwards 20 mm - quwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 0 mm - downwards 10 mm - | | |
| | product function short circuit protection | No |
| with type of coordination 1 required gG: 800 A (690 V, 50 kA) with type of assignment 2 required gR: 710 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting vertical mounting surface +/-90° rotatable, with ve | design of the fuse link | |
| with type of assignment 2 required gR: 710 A (690 V, 100 kA) • for short-circuit protection of the auxiliary switch required gS: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/ | for short-circuit protection of the main circuit | |
| • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting voltable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5" tiltable to the front and back fastening method screw fixing • side-by-side mounting Yes height 214 mm width 160 mm depth 225 mm required spacing • • with side-by-side mounting 225 mm - forwards 20 mm - upwards 10 mm - downwards 0 mm - forwards 20 mm - forwards 10 mm - at the side 0 mm - forwards 20 mm - forwards 10 mm - at the side 10 mm - forwards 20 mm - upwards 10 mm - at the side 10 mm - forwards 20 mm - upwards 10 mm - forwards <td< td=""><td> — with type of coordination 1 required </td><td>gG: 800 A (690 V, 50 kA)</td></td<> | — with type of coordination 1 required | gG: 800 A (690 V, 50 kA) |
| Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back fastening method screw fixing • side-by-side mounting Yes height 214 mm width 160 mm depth 225 mm required spacing • • with side-by-side mounting 20 mm - forwards 20 mm - upwards 10 mm - downwards 0 mm - forwards 20 mm - forwards 10 mm - at the side 0 mm - forwards 10 mm - downwards 10 mm - forwards 10 mm - downwards 10 mm - downwards 10 mm - | — with type of assignment 2 required | gR: 710 A (690 V, 100 kA) |
| Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tittable to the front and back fastening method screw fixing • side-by-side mounting Yes height 214 mm width 160 mm depth 225 mm required spacing • with side-by-side mounting - forwards 20 mm - upwards 10 mm - downwards 0 mm - forwards 20 mm - forwards 10 mm - forwards 10 mm - forwards 20 mm - forwards 10 mm - forwards 20 mm - forwards 10 mm - forwards 10 mm - downwards 10 mm - down | | gG: 10 A (500 V, 1 kA) |
| mounting position with vertical mounting surface +/-92.5° tiltable to the front and back fastening method surface +/-22.5° tiltable to the front and back e side-by-side mounting Yes height 214 mm width 160 mm depth 225 mm required spacing • with side-by-side mounting - forwards 20 mm - upwards 10 mm - at the side 0 mm - at the side 0 mm - at the side 10 mm - forwards 10 mm - at the side 10 mm - downwards 10 mm - forwards 20 mm - downwards 10 mm - forwards 20 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 10 mm - forwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 10 | | |
| surface +/- 22.5° tiltable to the front and back fastening method screw fixing • side-by-side mounting Yes height 214 mm width 160 mm depth 225 mm required spacing • with side-by-side mounting - forwards 20 mm - upwards 10 mm - downwards 0 mm - at the side 0 mm - forwards 20 mm - at the side 0 mm - forwards 10 mm - at the side 10 mm - at the side 10 mm - forwards 10 mm - at the side 10 mm - downwards 10 mm - at the side 10 mm - downwards 10 mm - downwards 10 mm - at the side 10 mm - downwards 10 mm - downwards <td></td> <td>with vertical mounting surface $\pm /-00^\circ$ rotatable, with vertical mounting</td> | | with vertical mounting surface $\pm /-00^\circ$ rotatable, with vertical mounting |
| • side-by-side mounting Yes height 214 mm width 160 mm depth 225 mm required spacing 225 mm • with side-by-side mounting 20 mm - forwards 20 mm - upwards 10 mm - downwards 10 mm - at the side 0 mm - forwards 20 mm - forwards 10 mm - at the side 10 mm - downwards 10 mm - forwards 20 mm - upwards 10 mm - downwards 10 mm - forwards 20 mm - downwards 10 mm - forwards 10 mm - downwards 10 mm - forwards 10 mm - forwards 10 mm - forwards 10 mm - forwards 10 mm - | mounting position | surface +/- 22.5° tiltable to the front and back |
| height 214 mm width 160 mm depth 225 mm required spacing • with side-by-side mounting - forwards 20 mm - upwards 10 mm - downwards 10 mm - at the side 0 mm - for grounded parts 20 mm - for grounded parts 20 mm - for grounded parts 20 mm - at the side 0 mm - downwards 10 mm - for vards 20 mm - downwards 10 mm - forwards 10 mm - downwards 10 mm - forwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - for auxiliary and control circuit Connection bar - of the side 10 mm - downwards 10 mm - downwards 10 mm <td< td=""><td>fastening method</td><td>screw fixing</td></td<> | fastening method | screw fixing |
| width 160 mm depth 225 mm required spacing 400 mm - forwards 20 mm - upwards 10 mm - downwards 10 mm - at the side 0 mm - for grounded parts 0 mm - forwards 20 mm - at the side 0 mm - forwards 20 mm - at the side 0 mm - downwards 10 mm - at the side 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - forwards 20 mm - upwards 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 10 mm - downwards 10 mm - downwards 10 mm - downwards 10 mm - at the side 10 mm - at the side 10 mm - at the side 10 mm | side-by-side mounting | Yes |
| depth 225 mm required spacing • with side-by-side mounting - forwards 20 mm - upwards 10 mm - downwards 10 mm - downwards 0 mm - at the side 0 mm - for grounded parts 20 mm - forwards 20 mm - forwards 20 mm - forwards 20 mm - forwards 20 mm - downwards 10 mm - at the side 10 mm - at the side 10 mm - downwards 10 mm - downwards 10 mm - forwards 20 mm - upwards 10 mm - downwards 10 mm - at the side 10 mm - for main current circuit Connection bar · for main current circuit Connection bar · for auxiliary and control circuit screw-type terminals · at contactor f | height | 214 mm |
| required spacing • with side-by-side mounting - forwards 20 mm - upwards 10 mm - downwards 10 mm - downwards 0 mm - at the side 0 mm • for grounded parts 20 mm - forwards 20 mm - upwards 10 mm - at the side 0 mm - at the side 10 mm - at the side 10 mm - downwards 10 mm - downwards 10 mm - forwards 20 mm - upwards 10 mm - forwards 10 mm - downwards 10 mm - at the side 10 mm <td< td=""><td>width</td><td>160 mm</td></td<> | width | 160 mm |
| with side-by-side mounting forwards forwards upwards mm downwards mm at the side mm at the side mm at the side mm at the side mm for grounded parts for grounded parts forwards mm at the side mm mm downwards mm mm mm at the side mm mm at the side mm mm at the side mm mm | depth | 225 mm |
| - forwards20 mm- upwards10 mm- downwards10 mm- at the side0 mm- at the side0 mm• for grounded parts20 mm- forwards20 mm- upwards10 mm- at the side10 mm- at the side10 mm- at the side10 mm- downwards10 mm- downwards10 mm- for live parts forwards20 mm- upwards10 mm- at the side10 mm- at the side10 mm- downwards10 mm- at the side10 mm <td>required spacing</td> <td></td> | required spacing | |
| upwards10 mm- downwards10 mm- at the side0 mm- at the side0 mm- for grounded parts20 mm- upwards10 mm- upwards10 mm- at the side10 mm- downwards10 mm- downwards10 mm- downwards10 mm- for live parts forwards20 mm- upwards10 mm- forwards10 mm- forwards10 mm- at the side10 mm- at the side10 mm- downwards10 mm- downwards10 mm- forwards10 mm- forwards10 mm- forwards10 mm- forwards10 mm- downwards10 mm- for auxiliary and control circuitConnection bar- for auxiliary and control circuitscrew-type terminals- at contactor for auxiliary contactsScrew-type terminals | with side-by-side mounting | |
| - downwards10 mm- at the side0 mm• for grounded parts20 mm- forwards20 mm- upwards10 mm- at the side10 mm- at the side10 mm- downwards10 mm- for live parts forwards20 mm- upwards10 mm- forwards10 mm- forwards10 mm- forwards10 mm- forwards10 mm- at the side10 mm- at the side10 mm- at the side10 mm- at the side10 mm- for auxiliary and control circuitConnection bar• at contactor for auxiliary contactsScrew-type terminals | — forwards | 20 mm |
| at the side0 mm• for grounded parts20 mm forwards20 mm upwards10 mm at the side10 mm downwards10 mm downwards20 mm• for live parts20 mm forwards20 mm upwards10 mm downwards10 mm downwards10 mm downwards10 mm at the side10 mm at the side5 crew-type terminals at contactor for auxiliary contacts5 crew-type terminals | — upwards | 10 mm |
| for grounded parts forwards upwards at the side downwards downwards for live parts for vards forwards at the side at contactor for auxiliary contacts | | 10 mm |
| - forwards20 mm- upwards10 mm- at the side10 mm- downwards10 mm- downwards20 mm- for live parts forwards20 mm- upwards10 mm- upwards10 mm- at the side10 mm- at the side10 mm- at the side10 mm- at the side0 mm- at the side10 mm- at the side5 mm- at the side10 mm- at the side5 mm- at the side10 mm- at the side10 mm- at the side5 mm- at the side5 mm- at the side5 mm- at the side5 mm- at contactor for auxiliary contacts5 crew-type terminals | | 0 mm |
| - upwards10 mm- at the side10 mm- downwards10 mm- downwards20 mm- for wards20 mm- upwards10 mm- upwards10 mm- downwards10 mm- at the side10 mm- at the side10 mm- at the side0 mm- for main current circuitConnection bar• for main current circuitConnection bar• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals | | |
| at the side10 mm at the side10 mm downwards10 mm• for live parts20 mm forwards20 mm upwards10 mm downwards10 mm at the side10 mm at the side10 mmConnections/ Terminalstype of electrical connection• for main current circuitConnection bar• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals | | |
| - downwards10 mm• for live parts forwards20 mm- upwards10 mm- downwards10 mm- at the side10 mm- at the side10 mmConnections/ Terminalstype of electrical connection• for main current circuitConnection bar• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals | | |
| for live parts for wards for wards upwards downwards at the side Connections/ Terminals type of electrical connection for main current circuit for auxiliary and control circuit screw-type terminals screw-type terminals | | |
| - forwards20 mm- upwards10 mm- downwards10 mm- at the side10 mm- at the side10 mmConnections/ Terminalstype of electrical connection• for main current circuitConnection bar• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals | | 10 mm |
| - upwards10 mm- downwards10 mm- at the side10 mmConnections/ Terminalstype of electrical connection• for main current circuitConnection bar• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals | | |
| downwards 10 mm at the side 10 mm Connections/ Terminals 10 mm type of electrical connection Connection bar • for main current circuit Connection bar • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals | | |
| | • | |
| Connections/ Terminals type of electrical connection Connection bar • for main current circuit Connection bar • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals | | |
| type of electrical connection Connection bar • for main current circuit Connection bar • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals | | |
| • for main current circuitConnection bar• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals | | |
| • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals | type of electrical connection | |
| at contactor for auxiliary contacts Screw-type terminals | | Connection her |
| | • for main current circuit | |
| • or magnet con | for main current circuit for auxiliary and control circuit | screw-type terminals |
| | for main current circuit for auxiliary and control circuit at contactor for auxiliary contacts | screw-type terminals Screw-type terminals |

| - | i Dai | 2 | 5 mm | | |
|---|--|--------------------|---|--|-------------------|
| width of connection bar thickness of connection bar | | | 6 mm | | |
| diameter of holes | | 1 | 11 mm | | |
| number of holes | | 1 | | | |
| type of connectable | conductor cross-sec | tions | | | |
| at AWG cables | for main contacts | 2/ | /0 500 kcmil | | |
| connectable conductor contacts | ctor cross-section for | main | | | |
| solid or stranded | | 70 | 70 240 mm² | | |
| stranded | | 7 | 0 240 mm² | | |
| connectable conductor contacts | ctor cross-section for | auxiliary | | | |
| solid or stranded | | | .5 4 mm² | | |
| finely stranded with core end processing | | <u> </u> | .5 2.5 mm² | | |
| | conductor cross-sec | tions | | | |
| - | for auxiliary contacts | | | | |
| — solid | | | x (0.5 1.5 mm²), 2x (0.75 | | |
| — solid or st | | | x (0,5 1,5 mm²), 2x (0,75 | | 0,75 4 mm²) |
| - | nded with core end pro | - | x (0.5 1.5 mm²), 2x (0.75 | | |
| | for auxiliary contacts | 2 | x (20 16), 2x (18 14), 1 | 1X 12 | |
| Safety related data | | | | | |
| product function | | | | | |
| | according to IEC 60947 | | es | | |
| 5-1 | n operation according t | | | | |
| 60529 | on the front according | | 200; IP20 with box terminal | | |
| touch protection on | the front according t | o IEC 60529 fir | nger-safe, for vertical conta | ct from the front with be | ox terminal/cover |
| Certificates/ approva | ls | | | | |
| General Product A | oproval | | | | EMC |
| | | | | | |
| SP: | Confirmation | (m) | ŝ | | ~ ~ |
| CSA | | u cuc | (un) | EHL | RCM |
| CSA | | | W | EHL | RCM |
| CSA Functional Safety/Safety of Machinery | Declaration of Con | formity | Test Certificates | EHL | RCM |
| Safety/Safety of | Declaration of Con | formity | Test Certificates Special Test Certific- ate | EHE Type Test Certific- ates/Test Report | Miscellaneous |
| Safety/Safety of Machinery | CE | formity | Special Test Certific- | | Miscellaneous |
| Safety/Safety of Machinery <u>Type Examination</u> <u>Certificate</u> | CE | formity | Special Test Certific- | | other |
| Safety/Safety of Machinery <u>Type Examination</u> <u>Certificate</u> | CE | formity PRS | Special Test Certific- | | |
| Safety/Safety of Machinery <u>Type Examination</u> <u>Certificate</u> | EG-Konf. | PRS | Special Test Certific- | ates/Test Report | other |
| Safety/Safety of Machinery Type Examination Certificate Marine / Shipping | EG-Konf. | formity Failway | Special Test Certific- | ates/Test Report | other |
| Safety/Safety of Machinery Type Examination Certificate Marine / Shipping | EG-Konf. | PRS | Special Test Certific- ate | ates/Test Report | other |

Further information

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=3RT1476-6AF36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1476-6AF36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1476-6AF36

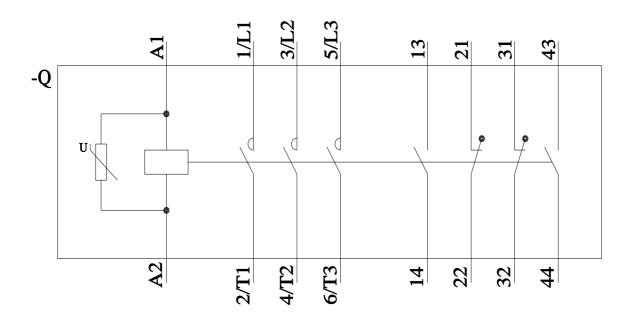
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1476-6AF36&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT1476-6AF36/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1476-6AF36&objecttype=14&gridview=view1



last modified:

3/15/2022 🖸