SIEMENS

Data sheet

3RT1264-6AT36

Vacuum contactor, AC-3 225 A, 110 kW / 400 V AC (50-60 Hz) / DC operation 575-600 V UC, Auxiliary contacts 2 NO + 2 NC, 3-pole, Size S10, busbar connections Drive: conventional



Figure similar

| Product brand name | SIRIUS |
|---|---|
| | |
| Product designation | Vacuum contactor |
| Product type designation | 3RT12 |
| General technical data | |
| Size of contactor | S10 |
| Product extension | |
| function module for communication | No |
| Auxiliary switch | Yes |
| Surge voltage resistance | |
| of main circuit rated value | 8 kV |
| of auxiliary circuit rated value | 6 kV |
| maximum permissible voltage for safe isolation | |
| between coil and main contacts acc. to EN | 690 V |
| 60947-1 | |
| Protection class IP | |
| • on the front | IP00; IP20 on the front with cover / box terminal |
| • of the terminal | IP00 |

| Charle register on at regtor subscripts | |
|---|--------------------------------|
| Shock resistance at rectangular impulse | 0.5 x / 5 x x x 4.0 x / 40 x x |
| • 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 electronics- compatible auxiliary switch block typical | 5 000 000 |
| of the contactor with added auxiliary switch block typical | 10 000 000 |
| Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 | К |
| Reference code acc. to DIN EN 81346-2 | Q |
| 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 |
| Main 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 | 1 000 V |
| Operating current | |
| • at AC-1 at 400 V | |
| — at ambient temperature 40 °C rated value | 330 A |
| • at AC-1 | |
| — up to 690 V at ambient temperature 40 °C | 330 A |
| rated value | |
| rated value — up to 690 V at ambient temperature 60 °C rated value | 300 A |
| — up to 690 V at ambient temperature 60 °C | 300 A 330 A |
| — up to 690 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 40 °C | |
| up to 690 V at ambient temperature 60 °C rated value up to 1000 V at ambient temperature 40 °C rated value up to 1000 V at ambient temperature 60 °C | 330 A |
| up to 690 V at ambient temperature 60 °C rated value up to 1000 V at ambient temperature 40 °C rated value up to 1000 V at ambient temperature 60 °C rated value | 330 A 300 A |
| up to 690 V at ambient temperature 60 °C rated value up to 1000 V at ambient temperature 40 °C rated value up to 1000 V at ambient temperature 60 °C rated value at AC-2 at 400 V rated value at AC-3 | 330 A 300 A |
| up to 690 V at ambient temperature 60 °C rated value up to 1000 V at ambient temperature 40 °C rated value up to 1000 V at ambient temperature 60 °C rated value at AC-2 at 400 V rated value | 330 A 300 A 225 A |

| - at 1000 V rated value 225 A • at AC-4 at 400 V rated value 195 A Connectable conductor cross-section in main circuit at AC-1 • at 60 °C minimum permissible 185 mm* Operating current for approx. 20000 operating oycles at AC-4 • at 400 V rated value 87 A • at 400 V rated value 86 A Operating power • at AC-1 - at 230 V at 60 °C rated value 113 kW - at 400 V rated value 97 KW - at 400 V rated value 900 kW - at 400 V rated value 930 kW - at 400 V rated value 930 kW - at 400 V rated value 930 kW - at 690 V rated value 940 kW - at 600 V for ated value 940 kW - at 600 V for ated value 940 kW - at 600 | | |
|---|--|-----------|
| at AC:4 at 400 V rated value195 AConnectable conductor cross-section in main drout at AC-1185 mm²• at 60 °C minimum permissible185 mm²• at 40 °C minimum permissible195 mm²Operating ourrent for approx. 20000 operating cycles at AC-497 A• at 600 V rated value68 AOperating power68 A• at A0 °C minied value113 kW- at 230 V rated value100 kW- at 400 V rated value300 kW- at 400 V rated value300 kW- at 400 V rated value300 kW- at 690 V rated value300 kW- at 400 V rated value300 kW- at 690 V rated value300 kW- at 400 V rated value300 kW- at 230 V rated value300 kW- at 400 V rated value300 kW- at 230 V rated value300 kW- at 230 V rated value100 kW- at 400 V rated value100 kW- at 400 V rated value315 kW- at 400 V rated value315 kW- at 400 V rated value1800 A- at 400 V r | — at 690 V rated value | 225 A |
| Connectable conductor cross-section in main circuit at AC-1 185 mm² • at 60 °C minimum permissible 185 mm² • at 40 °C minimum permissible 185 mm² Operating current for approx. 20000 operating cycles at AC-4 97 A • at 400 V rated value 88 A Operating current for approx. 20000 operating cycles at AC-1 88 A - at 230 V at 60 °C rated value 113 kW - at 400 V rated value 300 kW - at 400 V rated value 300 kW - at 690 V rated value 340 kW - at 690 V rated value 340 kW - at 690 V rated value 340 kW - at 690 V rated value 110 kW - at 200 V rated value 110 kW - at 200 V rated value 100 kW - at 400 V rated value 100 kW - at 400 V rated value 100 kW - at 600 V rated value 100 kW - at 400 V rated value 100 kW - at 400 V rated value 100 kW - at 600 V rated value 100 kW | — at 1000 V rated value | |
| at AC-1 i at 40 °C minimum permissible i at 400 V rated value i at 600 °C rated value i at 600 V rated value i at 400 V rated value i at 600 °C r | • at AC-4 at 400 V rated value | 195 A |
| • at 60 °C minimum permissible185 mm²• at 40 °C minimum permissible185 mm²Operating current for approx. 200000 operating cycles at AC-497 A• at 400 V rated value97 A• at 690 V rated value68 AOperating power68 A• at AC-1113 kW- at 400 V rated value113 kW- at 400 V rated value113 kW- at 400 V rated value197 kW- at 400 V rated value300 kW- at 690 V rated value300 kW- at 690 V rated value340 kW- at 690 V rated value340 kW- at 690 V rated value110 kW- at 1000 V rated value110 kW- at 230 V rated value110 kW- at 690 V rated value110 kW- at 200 V rated value110 kW- at 200 V rated value110 kW- at 500 V rated value100 kW- at 500 V rated value110 kW- at 500 V rated value100 kW- at 690 V rated value110 kW- at 500 V rated value100 kW- at 600 V rated value100 kW- at 600 V rated value100 kW- at 1000 V rated value180 kM- at 600 V rated value180 kW- at 600 V rated value1800 APower loss [W] at AC-3 at 400 V for rated value of the operating current limited to 10 s1800 APower loss [W] at AC-3 at 400 V for rated value2000 1/h- at AC2000 1/h2000 1/h- at AC2000 1/h- at AC2000 1/h <tr< td=""><td>Connectable conductor cross-section in main circuit</td><td></td></tr<> | Connectable conductor cross-section in main circuit | |
| at 40 °C minimum permissible 185 mm² Operating current for approx. 200000 operating cycles at AC-4 97 A • at 400 V rated value 68 A Operating power 68 A • at A00 V rated value 113 kW - at 230 V at 60 °C rated value 113 kW - at 400 V rated value 113 kW - at 400 V rated value 300 kW - at 400 V rated value 300 kW - at 400 V rated value 340 kW - at 400 V rated value 340 kW - at 690 V at 60 °C rated value 340 kW - at 690 V rated value 340 kW - at 400 V rated value 110 kW - at 200 V rated value 110 kW - at 400 V rated value 110 kW - at 200 V rated value 100 kW - at 200 V rated value 100 kW - at 200 V rated value 100 kW - at 400 V rated value 100 kW - at 600 V rated value 100 kW - at 600 V rated value 100 kW | | 105 |
| Operating current for approx. 20000 operating cycles at AC-4 97 A • at 400 V rated value 97 A • at 690 V rated value 68 A Operating power • at AC-1 • at AC-1 - at 230 V at 60 °C rated value • at AC-1 - at 400 V rated value - at 400 V rated value 113 kW - at 400 V rated value 197 kW - at 400 V rated value 300 kW - at 690 V rated value 340 kW - at 690 V rated value 110 kW - at 1000 V rated value 110 kW - at 200 V rated value 110 kW - at 200 V rated value 160 kW - at 200 V rated value 150 kW - at 690 V rated value 100 kW - at 000 V rated value 35 kW Operating power for approx. 20000 operating cycles 315 kW Operating power for approx. 20000 operating cycles 34 AC-4 • at A00 V rated value 9 kW • at A00 V rated value 9 W • at A02 value | · | |
| cycles at AC-497 A• at 400 V rated value97 A• at 690 V rated value68 AOperating power• at AC-1- at 230 V at 60 °C rated value113 kW- at 400 V rated value197 kW- at 400 V rated value300 kW- at 690 V rated value300 kW- at 690 V rated value340 kW- at 690 V rated value340 kW- at 690 V rated value492 kW- at 600 V rated value492 kW- at 1000 V rated value110 kW- at 230 V rated value110 kW- at 230 V rated value160 kW- at 230 V rated value150 kW- at 230 V rated value160 kW- at 690 V rated value150 kW- at 690 V rated value150 kW- at 690 V rated value160 kW- at 690 V rated value150 kW- at 690 V rated value160 kW- at 690 V rated value190 kW- at 690 V rated value190 kW- at 1000 V rated value90 kW- at 690 V rated value90 kW- at 600 V rated value90 kW- at 600 V rate | • | 185 mm² |
| at 630 V rated value 68 A Operating power 113 kW - at 230 V at 60 °C rated value 113 kW - at 400 V rated value 197 kW - at 400 V rated value 300 kW - at 690 V rated value 340 kW - at 690 V rated value 340 kW - at 690 V rated value 340 kW - at 690 V rated value 492 kW - at 690 V rated value 110 kW - at 230 V rated value 110 kW - at 230 V rated value 110 kW - at 230 V rated value 110 kW - at 400 V rated value 110 kW - at 400 V rated value 100 kW - at 400 V rated value 200 kW - at 400 V rated value 100 kW - at 600 V rated value 200 kW - at 400 V rated value 15 kW Operating power for approx. 200000 operating cycles 15 kW Thermal short-time current limited to 10 s 1 800 A Power loss (W) at AC-3 at 400 V for rated value 9 W • at AC 2 000 1/h • at AC 2 000 1/h • at AC 2 000 1/h • at AC< | Operating current for approx. 200000 operating cycles at AC-4 | |
| Operating power• at AC-1- at 230 V at 60 °C rated value113 kW- at 400 V rated value197 kW- at 400 V rated value300 kW- at 690 V rated value300 kW- at 690 V rated value340 kW- at 690 V rated value440 kW- at 690 V rated value492 kW- at 1000 V rated value492 kW• at AC-2 at 400 V rated value110 kW• at AC-3 at 230 V rated value110 kW- at 690 V rated value160 kW- at 690 V rated value315 kWOperating power for approx. 200000 operating cyclesat AC-455 kW• at 400 V rated value55 kW• at 400 V rated value94 kWThermal short-time current limited to 10 s1 800 APower loss [W] at AC-3 at 400 V for rated value of the operating frequency9 W• at AC-12 000 1/h• at AC-12 000 1/h• at DC2 000 1/hOperating frequency2 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum300 1/h• at AC-4 maximum250 1/h | • at 400 V rated value | 97 A |
| • at AC-1I 13 kW- at 230 V at 60 °C rated value113 kW- at 400 V rated value197 kW- at 400 V at 60 °C rated value300 kW- at 690 V rated value340 kW- at 690 V rated value340 kW- at 690 V rated value340 kW- at 1000 V at 60 °C rated value492 kW• at AC-2 at 400 V rated value110 kW• at AC-3 at 230 V rated value110 kW- at 230 V rated value110 kW- at 230 V rated value160 kW- at 400 V rated value160 kW- at 690 V rated value160 kW- at 690 V rated value150 kW- at 1000 V rated value150 kW- at 690 V rated value180 kW- at 690 V rated value180 kW- at 690 V rated value190 kW- at 690 V rated value180 kW- at 690 V rated value90 kW- at 400 V rated value180 kW- at 400 V rated value94 kWThermal short-time current limited to 10 s1 800 APower loss [M] at AC-3 at 400 V for rated value of the operating frequency9 W• at AC2 000 1/h• at AC2 000 1/h• at AC-1 maximum800 1/h• at AC-3 maximum300 1/h• at AC-3 maximum300 1/h | • at 690 V rated value | 68 A |
| | Operating power | |
| at 400 V rated value197 kW- at 400 V rated value300 kW- at 690 V rated value340 kW- at 690 V rated value340 kW- at 690 V at 60 °C rated value492 kW- at 1000 V at 60 °C rated value492 kW• at AC-2 at 400 V rated value110 kW• at AC-3 at 230 V rated value110 kW- at 690 V rated value110 kW- at 690 V rated value110 kW- at 690 V rated value100 kW- at 690 V rated value315 kWOperating power for approx. 200000 operating cyclesat AC-455 kW• at 400 V rated value55 kW• at 400 V rated value94 kWThermal short-time current limited to 10 s1 800 APower loss [M] at AC-3 at 400 V for rated value of the operating current per conductorNo-load switching frequency2 000 1/h• at AC2 000 1/h• at AC2 000 1/h• at AC2 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum750 1/h• at AC-4 maximum550 1/h | • at AC-1 | |
| at 400 V at 60 °C rated value300 kW- at 600 V rated value340 kW- at 690 V at 60 °C rated value340 kW- at 690 V at 60 °C rated value492 kW- at 1000 V at 60 °C rated value492 kW• at AC-2 at 400 V rated value110 kW• at AC-3 at 230 V rated value110 kW- at 400 V rated value110 kW- at 500 V rated value160 kW- at 690 V rated value160 kW- at 690 V rated value315 kWOperating power for approx. 20000 operating cyclesat AC-455 kW• at 400 V rated value55 kW• at 400 V rated value55 kW• at 690 V rated value94 kWThemal short-line current limited to 10 s1 800 APower loss [M] at AC-3 at 400 V for rated value of the operating current per conductor9 W• at AC2 000 1/hOperating frequency2 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum300 1/h | — at 230 V at 60 °C rated value | 113 kW |
| In the order of the order- at 690 V rated value340 kW- at 690 V at 60 °C rated value340 kW- at 1000 V at 60 °C rated value492 kW• at AC-2 at 400 V rated value110 kW• at AC-3 at 230 V rated value110 kW- at 400 V rated value110 kW- at 500 V rated value160 kW- at 500 V rated value200 kW- at 690 V rated value315 kWOperating power for approx. 20000 operating cyclesat AC-455 kW• at 400 V rated value55 kW• at 400 V rated value55 kW• at 690 V rated value94 kWThermal short-time current limited to 10 s1 800 APower loss [W] at AC-3 at 400 V for rated value of • at AC9 W• at AC2 000 1/h• at AC2 000 1/h• at AC300 1/h• at AC-1 maximum300 1/h• at AC-2 maximum300 1/h• at AC-3 maximum750 1/h | — at 400 V rated value | 197 kW |
| - at 690 V at 60 °C rated value340 kW- at 1000 V at 60 °C rated value492 kW• at AC-2 at 400 V rated value110 kW• at AC-3 at 230 V rated value55 kW- at 400 V rated value110 kW- at 400 V rated value160 kW- at 500 V rated value160 kW- at 690 V rated value315 kWOperating power for approx. 200000 operating cyclesat 4C-455 kW• at 400 V rated value315 kWOperating power for approx. 200000 operating cyclesat 4C-41800 A• at 400 V rated value94 kWThermal short-time current limited to 10 s1 800 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor9 W• at AC2 000 1/h• at AC2 000 1/h | — at 400 V at 60 °C rated value | 300 kW |
| In the or of the or of the or of the of th | — at 690 V rated value | 340 kW |
| | — at 690 V at 60 °C rated value | 340 kW |
| at AC-3 at AC-3 at AC-3 at AC-3 at AC-3 at AC-3 at 400 V rated value 110 kW at 500 V rated value 160 kW at 690 V rated value 200 kW at 690 V rated value 315 kW Operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value 55 kW at 690 V rated value 94 kW Thermal short-time current limited to 10 s Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor No-load switching frequency at AC-1 maximum at AC-2 maximum 300 1/h at AC-3 maximum 500 1/h | — at 1000 V at 60 °C rated value | 492 kW |
| at 230 V rated value55 kW at 400 V rated value110 kW at 500 V rated value160 kW at 690 V rated value200 kW at 1000 V rated value315 kWOperating power for approx. 200000 operating cycles at AC-455 kW• at 400 V rated value94 kW• at 690 V rated value94 kW• at 690 V rated value99 W• at 690 V rated value9 W• at AC-42 000 1/h• at AC2 000 1/h• at AC2 000 1/h• at AC2 000 1/h• at AC300 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum300 1/h• at AC-4 maximum550 1/h | • at AC-2 at 400 V rated value | 110 kW |
| | • at AC-3 | |
| | — at 230 V rated value | 55 kW |
| at 690 V rated value200 kW at 1000 V rated value315 kWOperating power for approx. 200000 operating cycles at AC-4315 kW• at 400 V rated value55 kW• at 690 V rated value94 kWThermal short-time current limited to 10 s1 800 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor9 WNo-load switching frequency • at AC • at DC2 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h | — at 400 V rated value | 110 kW |
| at 1000 V rated value315 kWOperating power for approx. 200000 operating cycles at AC-4 | — at 500 V rated value | 160 kW |
| Operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 55 kW • at 690 V rated value 94 kW Thermal short-time current limited to 10 s 1 800 A Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor 9 W No-load switching frequency 2 000 1/h • at AC 2 000 1/h • at AC-1 maximum 800 1/h • at AC-2 maximum 300 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum 250 1/h | — at 690 V rated value | 200 kW |
| at AC-455 kW• at 400 V rated value94 kW• at 690 V rated value94 kWThermal short-time current limited to 10 s1 800 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor9 WNo-load switching frequency • at AC2 000 1/h• at AC • at DC2 000 1/hOperating frequency • at AC-1 maximum800 1/h• at AC-2 maximum • at AC-3 maximum300 1/h• at AC-4 maximum250 1/h | — at 1000 V rated value | 315 kW |
| • at 400 V rated value55 kW• at 690 V rated value94 kWThermal short-time current limited to 10 s1 800 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor9 WNo-load switching frequency2 000 1/h• at AC • at DC2 000 1/hOperating frequency2 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h | Operating power for approx. 200000 operating cycles | |
| • at 690 V rated value94 kWThermal short-time current limited to 10 s1 800 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor9 WNo-load switching frequency • at AC • at DC2 000 1/hOperating frequency2 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum500 1/h• at AC-4 maximum250 1/h | at AC-4 | |
| Thermal short-time current limited to 10 s1 800 APower loss [W] at AC-3 at 400 V for rated value of the operating current per conductor9 WNo-load switching frequency • at AC • at DC2 000 1/hOperating frequency2 000 1/h• at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum800 1/h• at AC-4 maximum • at AC-4 maximum250 1/h | • at 400 V rated value | 55 kW |
| Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor9 WNo-load switching frequency2 000 1/h• at AC2 000 1/h• at DC2 000 1/hOperating frequency800 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h | • at 690 V rated value | 94 kW |
| the operating current per conductor No-load switching frequency • at AC • at DC Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • | Thermal short-time current limited to 10 s | |
| • at AC2 000 1/h• at DC2 000 1/hOperating frequency2 000 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h | Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor | 9 W |
| • at DC2 000 1/hOperating frequency800 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h | No-load switching frequency | |
| Operating frequency800 1/h• at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h | • at AC | 2 000 1/h |
| • at AC-1 maximum800 1/h• at AC-2 maximum300 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h | • at DC | 2 000 1/h |
| • at AC-2 maximum300 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h | Operating frequency | |
| • at AC-3 maximum750 1/h• at AC-4 maximum250 1/h | • at AC-1 maximum | 800 1/h |
| • at AC-4 maximum 250 1/h | • at AC-2 maximum | 300 1/h |
| | • at AC-3 maximum | 750 1/h |
| Control circuit/ Control | • at AC-4 maximum | 250 1/h |
| | Control circuit/ Control | |

| Type of voltage of the control supply voltage | AC/DC |
|--|------------------|
| Control supply voltage at AC | |
| • at 50 Hz rated value | 575 600 V |
| • at 60 Hz rated value | 575 600 V |
| Control supply voltage at DC | |
| rated value | 575 600 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 | 590 V·A |
| 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 | 6.1 V·A |
| Inductive power factor with the holding power of the | |
| coil | |
| • at 50 Hz | 0.9 |
| Closing power of magnet coil at DC | 700 W |
| Holding power of magnet coil at DC | 8.2 W |
| Closing delay | 30 95 ms |
| • at AC | 30 95 ms |
| • at DC | 30 95 ms |
| Opening delay | 40 80 ms |
| • at AC | 40 80 ms |
| • at DC | 10 15 ms |
| Arcing time Control version of the switch operating mechanism | Standard A1 - A2 |
| | Stanudiù AT - AZ |
| Auxiliary circuit | |
| Number of NC contacts for auxiliary contacts | |
| instantaneous contact | 2 |
| Number of NO contacts for auxiliary contacts | |
| instantaneous contact | 2 |
| Operating current at AC-12 maximum | 10 A |
| Operating current at AC-15 | |
| • at 230 V rated value | 6 A |
| | |

| 0.1 A |
|--------|
| |
| 0.3 A |
| 0.9 A |
| 1 A |
| 2 A |
| 2 A |
| 10 A |
| |
| 0.15 A |
| 1 A |
| 2 A |
| 3 A |
| 6 A |
| 6 A |
| 10 A |
| |
| 1 A |
| 2 A |
| |

| Full-load current (FLA) for three-phase AC motor | |
|--|-------------|
| • at 480 V rated value | 180 A |
| • at 600 V rated value | 192 A |
| Yielded mechanical performance [hp] | |
| for three-phase AC motor | |
| — at 200/208 V rated value | 60 hp |
| — at 220/230 V rated value | 75 hp |
| — at 460/480 V rated value | 150 hp |
| — at 575/600 V rated value | 200 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: 500 A (690 V, 100 kA) |
| — with type of assignment 2 required | gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) |
| for short-circuit protection of the auxiliary switch required | gG: 10 A (500 V, 1 kA) |
| | |

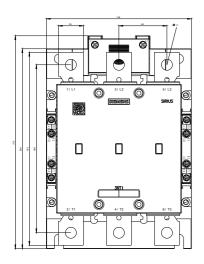
Installation/ mounting/ dimensions

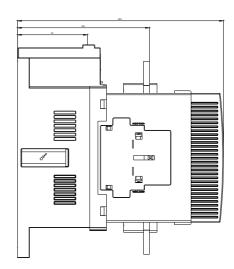
| Mounting position | +/-22,5° rotation possible on vertical mounting surface; can be |
|---|---|
| | tilted forward and backward by +/- 22.5° on vertical mounting |
| | surface; standing, on horizontal mounting surface |
| Mounting type | screw fixing |
| Side-by-side mounting | Yes |
| Height | 210 mm |
| Width | 145 mm |
| Depth | 206 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 | |
| — forwards | 20 mm |
| — upwards | 10 mm |
| — at the side | 10 mm |
| — downwards | 10 mm |
| • for live parts | |
| — forwards | 20 mm |
| — upwards | 10 mm |
| — downwards | 10 mm |
| — at the side | 10 mm |
| Connections/Terminals | |
| Type of electrical connection | |
| for main current circuit | Connection bar |
| for auxiliary and control current circuit | screw-type terminals |
| Type of connectable conductor cross-sections | |
| • at AWG conductors for main contacts | 2/0 500 kcmil |
| Connectable conductor cross-section for main contacts | |
| • stranded | 70 240 mm² |
| Connectable conductor cross-section for auxiliary contacts | |
| single or multi-stranded | 0.5 4 mm² |
| finely stranded with core end processing | 0.5 2.5 mm² |
| Type of connectable conductor cross-sections | |
| for auxiliary contacts | |
| — solid | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²) |
| — single or multi-stranded | 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²) |
| — finely stranded with core end processing | 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) |
| | |

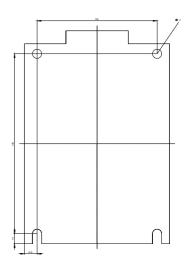
| • at AWG conductors for auxiliary con | ntacts | 2x (20 16), 2x (18 14 | 4), 1x 12 | |
|--|---|---|---|------------------------------|
| AWG number as coded connectable cond section | luctor cross | | | |
| for auxiliary contacts | | 18 14 | | |
| Safety related data | | | | |
| Product function | | | | |
| Mirror contact acc. to IEC 60947-4-2 | 1 | Yes | | |
| positively driven operation acc. to IE 1 | EC 60947-5- | No | | |
| Protection against electrical shock | | finger-safe when touched | l vertically from front | acc. to IEC 60529 |
| Certificates/approvals | | | | |
| General Product Approval | | | Functional Safety/Safety of Machinery | Declaration of Conformity |
| | | EHC | Type Examination Certificate | EG-Konf. |
| | | | | |
| Test Certificates | Marine / S | hipping | | other |
| Test CertificatesType Test Certificatesates/Test Reportficate | Marine / S | hipping | DNVGLCOM/AF | other Confirmation |
| Type Test Certific- Special Test Certi- | ALCAN BURA | | DNV.GL | |
| Type Test Certific- ates/Test Report Special Test Certi- ficate | ALCAN BURA | | DNV.GL | |
| Type Test Certific- ates/Test Report Special Test Certi- ficate other Special Test Certi- ficate | ALCAN BURA | | DNV.GL | |
| Type Test Certific- ates/Test Report Special Test Certi- ficate other Miscellaneous Miscellaneous Vertical State Further information Information- and Downloadcenter (Catalog) | ABS | RMRS | DNV.GL | |
| Type Test Certific- ates/Test Report Special Test Certi- ficate other Miscellaneous | ABS ABS |) | DNV.GL | |
| Type Test Certific- ates/Test Report Special Test Certi- ficate other | ABS ABS gs, Brochures alogs satalog/product? | p) | | |
| Type Test Certific- ates/Test Report Special Test Certi- ficate other | ABS ABS alogs atalog/product? AXorder/default. Characteristics |) mlfb=3RT1264-6AT36 aspx?lang=en&mlfb=3RT1264 s, FAQs,) | | |

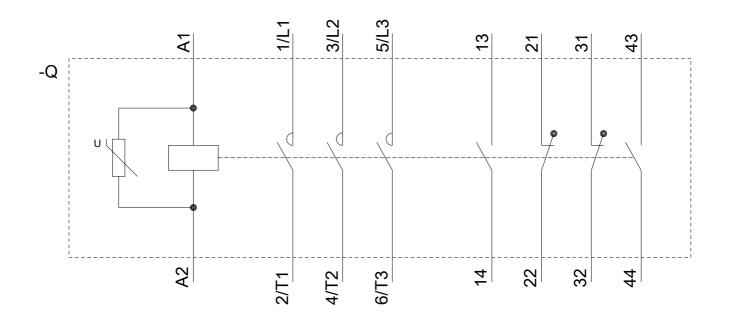
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1264-6AT36&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT1264-6AT36/char









last modified:

12/22/2018

12/26/2018