SIEMENS

Data sheet

3RT1065-6AF36-3PA0



CONTACTOR, 132KW/400V/AC-3 AC(40...60HZ)/DC OPERATION UC 110-127V AUXILIARY CONTACTS 2NO+2NC 3-POLE, SIZE S10 BAR CONNECTIONS CONVENT. OPERATING MECHANISM SCREW TERMINAL . .

| Figure similar | | |
|--|----|-----------------|
| product brand name | | SIRIUS |
| Product designation | | power contactor |
| General technical data: | | |
| Insulation voltage | | |
| Rated value | V | 1 000 |
| Degree of pollution | | 3 |
| Surge voltage resistance Rated value | kV | 8 |
| Mechanical service life (switching cycles) | | |
| of the 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 |
| Thermal short-time current restricted to 10 s | А | 2 400 |
| Protection class IP | | |
| • on the front | | IP00 |
| • of the terminal | | IP00 |
| Equipment marking | | |
| • acc. to DIN EN 61346-2 | | Q |
| • acc. to DIN EN 81346-2 | | Q |
| Aain circuit: | | |
| Number of poles for main current circuit | | 3 |
| Number of NC contacts for main contacts | | 0 |
| Number of NO contacts for main contacts | | 3 |
| Operating current | | |

| | ● at AC-1 | | |
|---|--|----|---------|
| Ratied valueA- up to 690 V at ambient temperature 40 °C Rated valueA300- up to 690 V at ambient temperature 60 °C Rated valueA300- up to 690 V at ambient temperature 60 °C Rated valueA265- at 400 V Rated valueA265- at 400 V Rated valueA200• at AC-4 at 400 V Rated valueA300- at 24 V Rated valueA300- at 24 V Rated valueA300- at 10 V Rated valueA300- at 110 V Rated | | А | 330 |
| Rated valueA- up to 690 V at ambient temperature 60 °CA300Rated valueA265- at 400 V Rated valueA265- at 690 V Rated valueA230Operating current with 1 current path at 24 V Rated valueA300- at 100 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueA300- at 124 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueA300- at 24 V Rated valueA300- at 24 V Rated valueA300- at 100 V Rated valueA300- at 110 V Rated valueA300 <td></td> <td></td> <td></td> | | | |
| | — up to 690 V at ambient temperature 40 °C | А | 330 |
| Rated value Image: state value Image: state v | | | |
| • at AC-3 Image: Constraint of the second of the secon | — up to 690 V at ambient temperature 60 $^\circ C$ | А | 300 |
| - at 400 V Rated valueA265- at 650 V Rated valueA265• at AC-4 at 400 V Rated valueA230Operating current with 1 current path at 24 V Rated valueA300- at 110 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueA300- at 24 V Rated valueA300- at 10 V Rated valueA300- at 10 V Rated valueA300- at 24 V Rated valueA300- at 10 V Rated valueA300- at 24 V Rated valueA300 <td>Rated value</td> <td></td> <td></td> | Rated value | | |
| | • at AC-3 | | |
| at AC-4 at 400 V Rated value A 230 Operating current with 1 current path • at DC-1 C 230 - at 24 V Rated value A 300 - - at 24 V Rated value A 33 - - at DC-3 at DC-5 - - - - at 24 V Rated value A 300 - - at 10 V Rated value A 300 - - at 24 V Rated value A 300 - - at 10 V Rated value A 300 - - at 110 V Rated value A 300 - - at 110 V Rated value A 300 - - at 110 V Rated value A 300 - - at 110 V Rated value A 300 - - at 110 V Rated value A 300 - - at 24 V Rated value A 300 - - at 110 V Rated value A 300 - - at 24 V Rated value A 300 - - at 110 V Rated value | — at 400 V Rated value | А | 265 |
| Operating current with 1 current path | — at 690 V Rated value | А | 265 |
| • at DC-1 A 300 - at 24 V Rated value A 33 • at DC-3 at DC-5 - - - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 10 V Rated value A 300 - at 110 V Rated value A 300 - at 110 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 110 V Rated value A 300 - at 110 V Rated value A 300 - at 100 V Rated value A 300 - at 24 V Rated value A 300 | at AC-4 at 400 V Rated value | А | 230 |
| - at 24 V Rated valueA300- at 110 V Rated valueA33• at DC-3 at DC-5 at 24 V Rated valueA300- at 110 V Rated valueA3• at DC-1 at 24 V Rated valueA300- at 24 V Rated valueA300- at 10 V Rated valueA300- at 110 V Rated valueA300- at 110 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueA300- at 24 V Rated valueA300- at 24 V Rated valueA300- at 10 V Rated valueA300- at 24 V Rated valueA300- at 24 V Rated valueA300- at 10 V Rated valueA300- at 110 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueKW131- at 24 V Rated valueKW | Operating current with 1 current path | | |
| - at 11 0 V Rated value A 33 - at 24 V Rated value A 300 - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 10 V Rated value A 300 - at 24 V Rated value A 300 - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 24 V Rated value A 300 - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 110 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 40 V Rated value A 300 - at 24 V Rated value A < | ● at DC-1 | | |
| • at DC-3 at DC-5 · · · · · · · · · · · · · · · · · · · | — at 24 V Rated value | А | 300 |
| | — at 110 V Rated value | А | 33 |
| In the instrument — at 110 V Rated valueA3Operating current with 2 current paths in series • at DC-1 | • at DC-3 at DC-5 | | |
| Operating current with 2 current paths in seriesImage: current with 2 current paths in series• at DC-1 | — at 24 V Rated value | А | 300 |
| • at DC-1 A 300 - at 24 V Rated value A 300 - at 110 V Rated value A 300 • at DC-3 at DC-5 - - - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 24 V Rated value A 300 - at 24 V Rated value A 300 • at DC-1 - - - at 24 V Rated value A 300 • at DC-1 - - - at 24 V Rated value A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at AC-1 at 400 V Rated value | — at 110 V Rated value | А | 3 |
| - at 24 V Rated value A 300 - at 110 V Rated value A 300 • at DC-3 at DC-5 - - - at 110 V Rated value A 300 - at 24 V Rated value A 300 - at 24 V Rated value A 300 Operating current with 3 current paths in series - - • at DC-1 - - - - at 24 V Rated value A 300 - - at 24 V Rated value A 300 - - at 110 V Rated value A 300 - - at 110 V Rated value A 300 - - at 110 V Rated value A 300 - - at 110 V Rated value A 300 - - at 110 V Rated value A 300 - - at 24 V Rated value A 300 - - at 24 V Rated value KW 197 - - at 24 V Rated value KW 151 - - at AC-1 - - - - - at AC-1 - - <td>Operating current with 2 current paths in series</td> <td></td> <td></td> | Operating current with 2 current paths in series | | |
| at 110 V Rated valueA300 at 110 V Rated valueA300 at 24 V Rated valueA300 at 24 V Rated valueA300Operating current with 3 current paths in series | ● at DC-1 | | |
| • at DC-3 at DC-5 at 110 V Rated valueA300- at 24 V Rated valueA300Operating current with 3 current paths in series at 24 V Rated valueA300- at 24 V Rated valueA300- at 10 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueKW197- at AC-1 at 400 V Rated valueKW132 000Operating power at AC-1 at 400 V Rated valueKW113- at 230 V at 60 °C Rated valueKW340- at 690 V Rated valueKW340 | — at 24 V Rated value | А | 300 |
| - at 110 V Rated valueA300- at 24 V Rated valueA300Operating current with 3 current paths in series at DC-1 at 24 V Rated valueA300- at 24 V Rated valueA300- at 110 V Rated valueA300- at 24 V Rated valueKW197- at AC-1 at 400 V Rated valueKW151- at AC-2 at 400 V Rated valueW132 000Operating power at 230 V at 60 °C Rated valueKW113- at 690 V Rated valueKW340 | — at 110 V Rated value | А | 300 |
| at 24 V Rated valueA300Operating current with 3 current paths in series at 24 V Rated valueA300 at 24 V Rated valueA300 at 110 V Rated valueA300 at 24 V Rated valueA300 at 24 V Rated valueA197 at 400 V Rated valueKW197 at AC-1 at 400 V Rated valueKW132 000Operating power | • at DC-3 at DC-5 | | |
| Operating current with 3 current paths in seriesImage: current with 3 current paths in series• at DC-1A- at 24 V Rated valueA- at 110 V Rated valueA• at DC-3 at DC-5 at 110 V Rated valueA- at 110 V Rated valueA- at 24 V Rated valueA0perating power-• at AC-1 at 400 V Rated valueKW• at AC-2 at 400 V Rated valueKW• at AC-4 at 400 V Rated valueW• at AC-4 at 400 V Rated valueW• at AC-1 at 230 V at 60 °C Rated valueKW- at 690 V at 60 °C Rated valueKW- at 690 V Rated valueKW at 690 V Rated valueKW | — at 110 V Rated value | А | 300 |
| at DC-1 at 24 V Rated value - at 24 V Rated value - at 24 V Rated value - at 110 V Rated value - at 10 V Rated value - at 110 V Rated value - at 110 V Rated value - at 24 V Rated value - at AC-1 at 400 V Rated value - at AC-4 at 400 V Rated value - at 230 V at 60 °C Rated value - at 690 V at 60 °C Rated value - at 690 V Rated value | — at 24 V Rated value | А | 300 |
| - at 24 V Rated valueA300- at 110 V Rated valueA300• at DC-3 at DC-5 at 110 V Rated valueA300- at 24 V Rated valueA300- at 24 V Rated valueA300• at AC-1 at 400 V Rated valueKW197• at AC-2 at 400 V Rated valueKW151• at AC-2 at 400 V Rated valueW132 000• at AC-4 at 400 V Rated valueKW113• at AC-1• at AC-1 at 690 V at 60 °C Rated valueKW340- at 690 V Rated valueKW340 | Operating current with 3 current paths in series | | |
| - at 110 V Rated valueA300• at DC-3 at DC-5 at 110 V Rated valueA at 24 V Rated valueA at 24 V Rated valueA.• at AC-1 at 400 V Rated valueKW.• at AC-2 at 400 V Rated valueKW.• at AC-2 at 400 V Rated valueW.• at AC-4 at 400 V Rated valueW.• at AC-4 at 400 V Rated valueW.• at AC-1 at 230 V at 60 °C Rated valueKW at 690 V at 60 °C Rated valueKW at 690 V Rated value | ● at DC-1 | | |
| • at DC-3 at DC-5 - A 300 - at 110 V Rated value A 300 - at 24 V Rated value A 300 • at 24 V Rated value A 300 Operating power - - • at AC-1 at 400 V Rated value KW 197 • at AC-2 at 400 V Rated value KW 151 • at AC-4 at 400 V Rated value W 132 000 Operating power - - • at AC-1 - - • at AC-1 - - - at 230 V at 60 °C Rated value KW 113 - at 690 V rated value KW 340 | — at 24 V Rated value | А | 300 |
| - at 110 V Rated valueA300- at 24 V Rated valueA300Operating power at AC-1 at 400 V Rated valueKW197- at AC-2 at 400 V Rated valueKW151- at AC-4 at 400 V Rated valueW132 000Operating power at AC-1 at 230 V at 60 °C Rated valueKW113- at 690 V Rated valueKW340- at 690 V Rated valueKW340 | — at 110 V Rated value | А | 300 |
| at 24 V Rated valueA300Operating power at AC-1 at 400 V Rated valuekW197- at AC-2 at 400 V Rated valuekW151- at AC-4 at 400 V Rated valueW132 000Operating power at AC-1 at 230 V at 60 °C Rated valuekW113- at 690 V Rated valuekW340- at 690 V Rated valuekW340 | • at DC-3 at DC-5 | | |
| Operating power-• at AC-1 at 400 V Rated valueKW• at AC-2 at 400 V Rated valueKW• at AC-2 at 400 V Rated valueW• at AC-4 at 400 V Rated valueW• at AC-4 at 400 V Rated valueW• at AC-1-• at AC-1 at 230 V at 60 °C Rated valueKW- at 690 V at 60 °C Rated valueKW- at 690 V Rated valueKW at 690 V Rated valueKW | — at 110 V Rated value | А | 300 |
| • at AC-1 at 400 V Rated valuekW197• at AC-2 at 400 V Rated valuekW151• at AC-4 at 400 V Rated valueW132 000Operating power• at AC-1 at 230 V at 60 °C Rated valuekW113- at 690 V at 60 °C Rated valuekW340- at 690 V Rated valuekW340 | — at 24 V Rated value | А | 300 |
| at AC-2 at 400 V Rated value at AC-4 at 400 V Rated value W 151 132 000 Operating power at AC-1 - at 230 V at 60 °C Rated value KW 113 - at 690 V at 60 °C Rated value KW 340 | Operating power | | |
| • at AC-4 at 400 V Rated valueW132 000Operating power• at AC-1 at 230 V at 60 °C Rated valuekW113 at 690 V at 60 °C Rated valuekW340 at 690 V Rated valuekW340 | • at AC-1 at 400 V Rated value | kW | 197 |
| Operating powerImage: Comparison of the c | • at AC-2 at 400 V Rated value | kW | 151 |
| • at AC-1 - at 230 V at 60 °C Rated value kW 113 - at 690 V at 60 °C Rated value kW 340 - at 690 V Rated value kW 340 | • at AC-4 at 400 V Rated value | W | 132 000 |
| - at 230 V at 60 °C Rated value kW 113 - at 690 V at 60 °C Rated value kW 340 - at 690 V Rated value kW 340 | Operating power | | |
| at 690 V at 60 °C Rated valuekW340 at 690 V Rated valuekW340 | • at AC-1 | | |
| — at 690 V Rated value kW 340 | — at 230 V at 60 °C Rated value | kW | 113 |
| | — at 690 V at 60 °C Rated value | kW | 340 |
| • at AC-3 | — at 690 V Rated value | kW | 340 |
| | • at AC-3 | | |

| — at 230 V Rated value | kW | 85 |
|--|-----|---------------|
| — at 400 V Rated value | kW | 151 |
| — at 500 V Rated value | kW | 189 |
| — at 690 V Rated value | kW | 265 |
| Operating power for \geq 200000 operating cycles at | _ | |
| AC-4 | | |
| • at 400 V Rated value | kW | 66 |
| • at 690 V Rated value | kW | 102 |
| Operating frequency | | |
| ● at AC-3 maximum | 1/h | 700 |
| Control circuit/ Control: | _ | |
| Type of voltage of the control supply voltage | | AC/DC |
| Control supply voltage with AC | | |
| • at 50 Hz Rated value | V | 110 127 |
| • at 60 Hz Rated value | V | 110 127 |
| Control supply voltage for DC | _ | |
| Rated value | V | 110 127 |
| Rated value | Hz | 40 |
| Control supply voltage frequency 2 Rated value | Hz | 60 |
| Operating range factor control supply voltage rated | _ | |
| value of the magnet coil with AC | | |
| • at 50 Hz | | 0.8 1.1 |
| • at 60 Hz | | 0.8 1.1 |
| Operating range factor control supply voltage rated | | 0.8 1.1 |
| value of the magnet coil for DC | | |
| Design of the surge suppressor | | with varistor |
| Apparent pick-up power of the magnet coil with AC | V·A | 590 |
| Apparent holding power of the magnet coil with AC | V·A | 6.7 |
| Closing power of the magnet coil for DC | W | 650 |
| Holding power of the magnet coil for DC | W | 7.4 |
| Inductive power factor | | 0.9 |
| • with closing power of the coil | | |
| with the holding power of the coil | | 0.9 |
| 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-15 | | |
| • at 230 V Rated value | А | 6 |
| | | |

| • at 400 V Rated value | A | 3 | | |
|--|----|---|--|--|
| Operating current | | | | |
| • at DC-12 at 220 V Rated value | A | 1 | | |
| • at DC-13 at 220 V Rated value | A | 0.3 | | |
| Operating current | | | | |
| • at DC-12 | | | | |
| — at 60 V Rated value | А | 6 | | |
| — at 110 V Rated value | А | 3 | | |
| • at DC-13 | | | | |
| — at 24 V Rated value | А | 10 | | |
| — at 60 V Rated value | А | 2 | | |
| — at 110 V Rated value | А | 1 | | |
| UL/CSA ratings: | | | | |
| Contact rating of the auxiliary contacts acc. to UL | | A600 / Q600 | | |
| Short-circuit: | | | | |
| Design of the fuse link | | | | |
| for short-circuit protection of the main circuit | | | | |
| - with type of assignment 1 required | | fuse gL/gG: 500 A | | |
| — with type of assignment 2 required | | fuse gL/gG: 400 A | | |
| for short-circuit protection of the auxiliary switch | | fuse gL/gG: 10 A | | |
| required | | | | |
| Installation/ mounting/ dimensions: | | | | |
| Mounting type | | screw fixing | | |
| Side-by-side mounting | | Yes | | |
| Height | mm | 210 | | |
| Width | mm | 145 | | |
| Depth | mm | 202 | | |
| Required spacing | | | | |
| for grounded parts | | | | |
| — at the side | mm | 10 | | |
| Connections/ Terminals: | | | | |
| Type of electrical connection | | | | |
| for main current circuit | | screw-type terminals | | |
| for auxiliary and control current circuit | | screw-type terminals | | |
| Type of connectable conductor cross-section | | | | |
| for AWG conductors for main contacts | | 2/0 500 kcmil | | |
| for auxiliary contacts | | | | |
| — solid | | 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) | | |
| for AWG conductors for auxiliary contacts | | 2x (20 16), 2x (18 14), 1x 12 | | |
| | | | | |

| Mechanical data: | | |
|---|----|---------|
| Size of contactor | | S10 |
| Ambient conditions: | | |
| Installation altitude at height above sea level maximum | m | 2 000 |
| Ambient temperature | | |
| • during operation | °C | -25 +60 |
| during storage | °C | -55 +80 |

Certificates/ approvals: **General Product Approval Functional Declaration of** Test Safety/Safety Conformity Certificates of Machinery **Type Examination Special Test** Certificate Test **Shipping Approval** other Certificates other other GL@

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Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

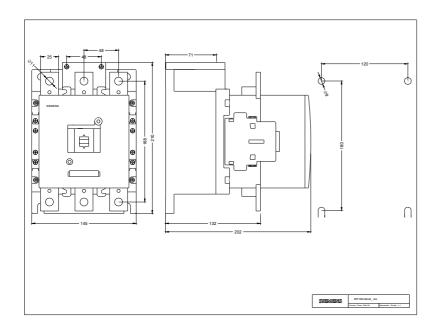
Industry Mall (Online ordering system) http://www.siemens.com/industrymall

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT10656AF363PA0

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