



VAC. CONTACTOR,  
200KW/400V/AC-3 AC(40...60HZ)/DC OPERATION UC 380-  
420V AUXILIARY CONTACTS 2NO+2NC 3-POLE,  
SIZE S12 BAR CONNECTIONS CONVENT. OPERATING  
MECHANISM

### General technical data:

|                                                                                       |    |             |
|---------------------------------------------------------------------------------------|----|-------------|
| product brand name                                                                    |    | SIRIUS      |
| Size of the contactor                                                                 |    | S12         |
| Protection class IP / on the front                                                    |    | IP00        |
| Degree of pollution                                                                   |    | 3           |
| Installation altitude / at a height over sea level / maximum                          | m  | 2,000       |
| Ambient temperature / during operating                                                | °C | -25 ... +60 |
| Mechanical operating cycles as operating time                                         |    |             |
| • of the contactor / typical                                                          |    | 10,000,000  |
| • of the contactor with added auxiliary switch block / typical                        |    | 10,000,000  |
| • of the contactor with added electronics-compatible auxiliary switch block / typical |    | 5,000,000   |

### Main circuit:

|                                              |   |     |
|----------------------------------------------|---|-----|
| Number of NC contacts / for main contacts    |   | 0   |
| Number of NO contacts / for main contacts    |   | 3   |
| Operating current                            |   |     |
| • at AC-1 / at 400 V                         |   |     |
| • at 40 °C ambient temperature / rated value | A | 610 |
| • at AC-3 / at 400 V / rated value           | A | 400 |
| • at AC-4 / at 400 V / rated value           | A | 350 |

|                      |                                    |           |
|----------------------|------------------------------------|-----------|
| <b>Service power</b> |                                    |           |
|                      | • at AC-2 / at 400 V / rated value | kW 231    |
|                      | • at AC-3 / at 400 V / rated value | kW 231    |
|                      | • at AC-4 / at 400 V / rated value | W 200,000 |

| Control circuit:                                                                      |     |               |
|---------------------------------------------------------------------------------------|-----|---------------|
| <b>Design of the surge suppressor</b>                                                 |     | with varistor |
| <b>Voltage type / of control feed voltage</b>                                         |     | AC/DC         |
| <b>Operating range factor control supply voltage rated value / of the magnet coil</b> |     |               |
| • at 50 Hz                                                                            |     |               |
| • for AC                                                                              |     | 0.8 ... 1.1   |
| • at 60 Hz                                                                            |     |               |
| • for AC                                                                              |     | 0.8 ... 1.1   |
| • for DC                                                                              |     | 0.8 ... 1.1   |
| <b>Apparent pull-in power / of the solenoid / for AC</b>                              | V·A | 830           |
| <b>Apparent holding power / of the solenoid / for AC</b>                              | V·A | 9.2           |
| <b>Inductive power factor / with the pull-in power of the coil</b>                    |     | 0.9           |
| <b>Inductive power factor / with the pull-in power of the coil</b>                    |     | 0.9           |
| <b>Pull-in power / of the solenoid / for DC</b>                                       | W   | 920           |
| <b>Holding power / of the solenoid / for DC</b>                                       | W   | 10            |

| Auxiliary circuit:                                                              |  |   |
|---------------------------------------------------------------------------------|--|---|
| <b>Number of NC contacts / for auxiliary contacts / instantaneous switching</b> |  | 2 |
| <b>Number of NO contacts / for auxiliary contacts / instantaneous switching</b> |  | 2 |

| Short-circuit:                                                    |  |                   |
|-------------------------------------------------------------------|--|-------------------|
| <b>Design of the fuse link</b>                                    |  |                   |
| • for short-circuit protection of the auxiliary switch / required |  | fuse gL/gG: 10 A  |
| • for short-circuit protection of the main circuit                |  |                   |
| • with type of assignment 1 / required                            |  | fuse gL/gG: 800 A |
| • at type of coordination 2 / required                            |  | fuse gL/gG: 800 A |

| Installation/mounting/dimensions:                             |    |              |
|---------------------------------------------------------------|----|--------------|
| <b>Mounting type</b>                                          |    | screw fixing |
| <b>series installation</b>                                    |    | Yes          |
| <b>Width</b>                                                  | mm | 145          |
| <b>Height</b>                                                 | mm | 210          |
| <b>Depth</b>                                                  | mm | 206          |
| <b>Distance, to be maintained, to earthed part / sideways</b> | mm | 10           |

## Connection type:

### Design of the electrical connection

- for main current circuit
- for auxiliary and control current circuit

screw-type terminals

screw-type terminals

### Type of the connectable conductor cross-section

- for AWG conductors / for main contacts
- for auxiliary contacts
  - solid
  - finely stranded
    - with conductor end processing
- for AWG conductors / for auxiliary contacts

2/0 ... 500 kcmil

2x (0.5 ... 1.5 mm<sup>2</sup>), 2x (0.75 ... 2.5 mm<sup>2</sup>), max. 2x (0.75 ... 4 mm<sup>2</sup>)

2x (0.5 ... 1.5 mm<sup>2</sup>), 2x (0.75 ... 2.5 mm<sup>2</sup>)

2x (20 ... 16), 2x (18 ... 14), 1x 12

## Certificates/approvals:

### General Product Approval

Functional Safety /  
Safety of  
Machinery

Declaration of  
Conformity



CCC



CSA



UL

[Type Examination](#)



EG-Konf.

### Test Certificates

[Special Test  
Certificate](#)

[Type Test  
Certificates/Test  
Report](#)

### Shipping Approval



ABS



GL



RMRS

### other

[Confirmation](#)

[other](#)

[Environmental  
Confirmations](#)

## Further information:

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

<http://www.siemens.com/industrial-controls/catalogs>

### Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

### Cax online generator:

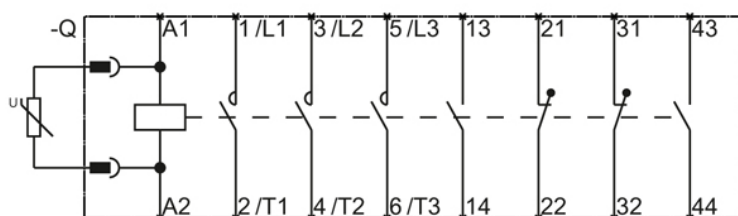
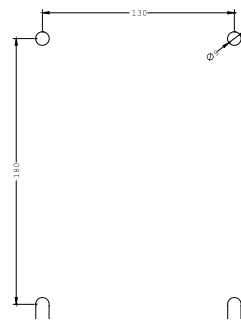
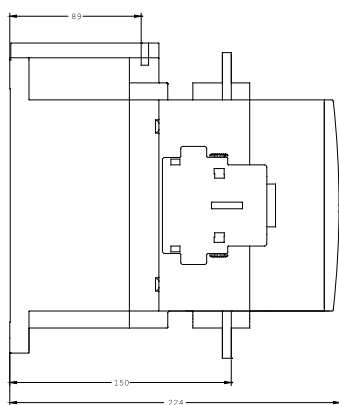
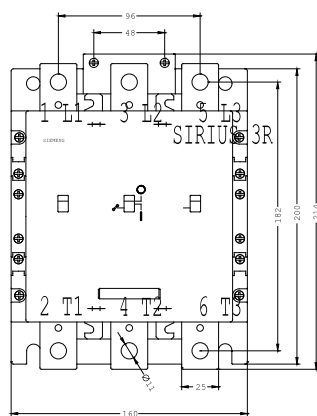
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RT1275-6AV36/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RT1275-6AV36](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1275-6AV36)



last change:

Jul 28, 2014