



CONTACTOR, AC-3 22 KW/400 V, DC 24 V,
3-POLE, 2 NO + 2 NC, SIZE S2,
SCREW CONNECTION

General technical data:

| | | |
|---|----|-------------|
| product brand name | | SIRIUS |
| Size of the contactor | | S2 |
| Protection class IP / on the front | | IP20 |
| 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 | | |
| <ul style="list-style-type: none"> • of the contactor / typical | | 10,000,000 |
| <ul style="list-style-type: none"> • of the contactor with added auxiliary switch block / typical | | 10,000,000 |
| <ul style="list-style-type: none"> • 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 |
| Operational current | | |
| <ul style="list-style-type: none"> • at AC-1 / at 400 V <ul style="list-style-type: none"> • at 40 °C ambient temperature / rated value | A | 60 |
| <ul style="list-style-type: none"> • at 60 °C ambient temperature / rated value | A | 55 |
| <ul style="list-style-type: none"> • at AC-3 / at 400 V / rated value | A | 50 |

| | | |
|--|----|--------|
| • at AC-4 / at 400 V / rated value | A | 41 |
| • with 1 current path / at DC-1 | | |
| • at 24 V / rated value | A | 55 |
| • at 110 V / rated value | A | 4.5 |
| • with 2 current paths in series / at DC-1 | | |
| • at 24 V / rated value | A | 55 |
| • at 110 V / rated value | A | 25 |
| • with 3 current paths in series / at DC-1 | | |
| • at 24 V / rated value | A | 55 |
| • at 110 V / rated value | A | 55 |
| • with 1 current path / at DC-3 / at DC-5 | | |
| • at 24 V / rated value | A | 35 |
| • at 110 V / rated value | A | 2.5 |
| • with 2 current paths in series / at DC-3 / at DC-5 | | |
| • at 24 V / rated value | A | 55 |
| • at 110 V / rated value | A | 25 |
| • with 3 current paths in series / at DC-3 / at DC-5 | | |
| • at 24 V / rated value | A | 55 |
| • at 110 V / rated value | A | 55 |
| Service power | | |
| • at AC-2 / at 400 V / rated value | kW | 22 |
| • at AC-3 / at 400 V / rated value | kW | 22 |
| • at AC-4 / at 400 V / rated value | W | 22,000 |

| Control circuit: | | |
|---|---|-------------|
| Type of voltage / of the controlled supply voltage | | DC |
| Operating range factor control supply voltage rated value / of the magnet coil | | |
| • for DC | | 0.8 ... 1.1 |
| Pull-in power / of the solenoid / for DC | W | 13.3 |
| Holding power / of the solenoid / for DC | W | 13.3 |

| Auxiliary circuit: | | |
|---|--|---|
| Contact reliability / of the auxiliary contacts | | 1 faulty switching per 100 million (17 V, 1 mA) |
| Number of NC contacts / for auxiliary contacts / instantaneous switching | | 2 |
| Number of NO contacts / for auxiliary contacts / instantaneous switching | | 2 |

| Short-circuit: | | |
|---|--|------------------|
| Design of the fuse link | | |
| • 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
 - at type of coordination 2 / required

fuse gL/gG: 160 A
fuse gL/gG: 80 A

Installation/mounting/dimensions:

| | | |
|---|----|--|
| Type of mounting | | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022 |
| series installation | | Yes |
| Width | mm | 55 |
| Height | mm | 112 |
| Depth | mm | 179 |
| Distance, to be maintained, to earthed part / sideways | mm | 6 |

Connection type:

| | | |
|--|--|---|
| Design of the electrical connection <ul style="list-style-type: none"> • for main current circuit • for auxiliary and control current circuit | | screw-type terminals screw-type terminals |
| Type of the connectable conductor cross-section <ul style="list-style-type: none"> • for main contacts <ul style="list-style-type: none"> • solid • stranded • finely stranded <ul style="list-style-type: none"> • with conductor end processing • without conductor final cutting • for AWG conductors / for main contacts • for auxiliary contacts <ul style="list-style-type: none"> • solid • finely stranded <ul style="list-style-type: none"> • with conductor end processing • for AWG conductors / for auxiliary contacts | | 2x (0.75 ... 16 mm ²) 2x (0.75 ... 25 mm ²) 2x (0.75 ... 16 mm ²) 2x (0.75 ... 16 mm ²) 2x (18 ... 2) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²), max. 2x (0.75 ... 4 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (20 ... 16), 2x (18 ... 14), 1x 12 |

Certificates/approvals:

| | | |
|---------------------------------|--|----------------------------------|
| General Product Approval | Functional Safety / Safety of Machinery | Declaration of Conformity |
|---------------------------------|--|----------------------------------|



CCC



CSA



GOST



KETI

[Type Examination](#)



EG-Konf.

Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

Shipping Approval



ABS



BUREAU VERITAS



DNV



GL



LRS



RINA

Shipping Approval

other



RMRS

[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:

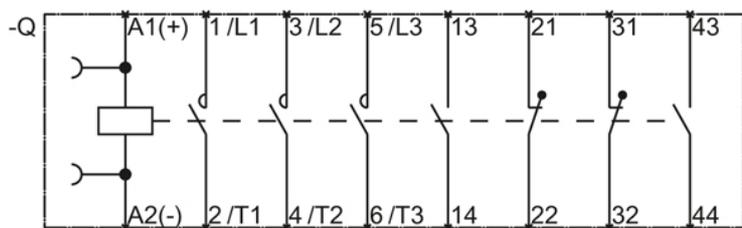
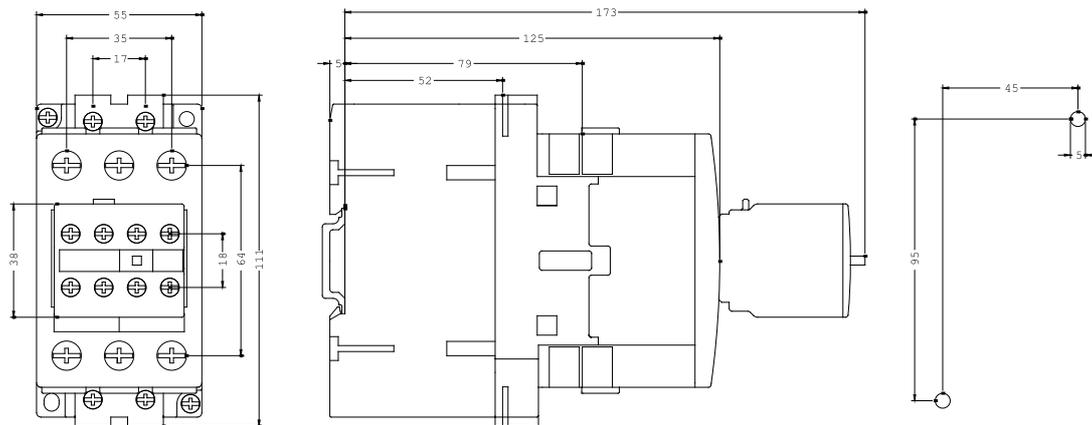
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/VW/view/en/3RT1036-1BB44/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1036-1BB44



last change:

Feb 15, 2013