



CONTACTOR, AC-3 3 KW/400 V, 1 NC,
DC 24 V, 0.7...1.25*US, W.DIODE,
3-POLE, SIZE S00, CAGE CLAMP CONNECTION

General technical data:

| | | |
|--|----|-------------|
| product brand name | | SIRIUS |
| Size of the contactor | | S00 |
| 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 | | |
| • of the contactor / typical | | 30,000,000 |

Main circuit:

| | | |
|--|---|-----|
| Number of NC contacts / for main contacts | | 0 |
| Number of NO contacts / for main contacts | | 3 |
| Operational current | | |
| • at AC-1 / at 400 V | | |
| • at 40 °C ambient temperature / rated value | A | 18 |
| • at 60 °C ambient temperature / rated value | A | 16 |
| • at AC-3 / at 400 V / rated value | A | 7 |
| • at AC-4 / at 400 V / rated value | A | 6.5 |
| • with 1 current path / at DC-1 | | |
| • at 24 V / rated value | A | 15 |

| | | |
|--|----|-------|
| <ul style="list-style-type: none"> • at 110 V / rated value | A | 1.5 |
| <ul style="list-style-type: none"> • with 2 current paths in series / at DC-1 | | |
| <ul style="list-style-type: none"> • at 24 V / rated value | A | 15 |
| <ul style="list-style-type: none"> • at 110 V / rated value | A | 8.4 |
| <ul style="list-style-type: none"> • with 3 current paths in series / at DC-1 | | |
| <ul style="list-style-type: none"> • at 24 V / rated value | A | 15 |
| <ul style="list-style-type: none"> • at 110 V / rated value | A | 15 |
| <ul style="list-style-type: none"> • with 1 current path / at DC-3 / at DC-5 | | |
| <ul style="list-style-type: none"> • at 24 V / rated value | A | 15 |
| <ul style="list-style-type: none"> • at 110 V / rated value | A | 0.1 |
| <ul style="list-style-type: none"> • with 2 current paths in series / at DC-3 / at DC-5 | | |
| <ul style="list-style-type: none"> • at 24 V / rated value | A | 15 |
| <ul style="list-style-type: none"> • at 110 V / rated value | A | 0.25 |
| <ul style="list-style-type: none"> • with 3 current paths in series / at DC-3 / at DC-5 | | |
| <ul style="list-style-type: none"> • at 24 V / rated value | A | 15 |
| <ul style="list-style-type: none"> • at 110 V / rated value | A | 15 |
| Service power | | |
| <ul style="list-style-type: none"> • at AC-2 / at 400 V / rated value | kW | 3 |
| <ul style="list-style-type: none"> • at AC-3 / at 400 V / rated value | kW | 3 |
| <ul style="list-style-type: none"> • at AC-4 / at 400 V / rated value | W | 3,000 |

| Control circuit: | | |
|---|---|--------------|
| Design of the surge suppressor | | with diode |
| Type of voltage / of the controlled supply voltage | | DC |
| Operating range factor control supply voltage rated value / of the magnet coil | | |
| <ul style="list-style-type: none"> • for DC | | 0.85 ... 1.1 |
| Pull-in power / of the solenoid / for DC | W | 2.3 |
| Holding power / of the solenoid / for DC | W | 2.3 |

| 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 | | 1 |
| Number of NO contacts / for auxiliary contacts / instantaneous switching | | 0 |

| Short-circuit: | | |
|---|--|------------------|
| Design of the fuse link | | |
| <ul style="list-style-type: none"> • for short-circuit protection of the auxiliary switch / required | | fuse gL/gG: 10 A |
| <ul style="list-style-type: none"> • for short-circuit protection of the main circuit | | |
| <ul style="list-style-type: none"> • with type of assignment 1 / required | | fuse gL/gG: 35 A |

- at type of coordination 2 / required

fuse gL/gG: 20 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 | 45 |
| Height | mm | 60 |
| Depth | mm | 73 |
| Distance, to be maintained, to earthed part / sideways | mm | 6 |

Connection type:

| | | |
|--|--|-----------------------|
| Design of the electrical connection | | |
| • for main current circuit | | Cage Clamp terminals |
| • for auxiliary and control current circuit | | Cage Clamp terminals |
| Type of the connectable conductor cross-section | | |
| • for main contacts | | |
| • solid | | 2x (0.25 ... 2.5 mm²) |
| • finely stranded | | |
| • with conductor end processing | | 2x (0.25 ... 1.5 mm²) |
| • without conductor final cutting | | 2x (0.25 ... 2.5 mm²) |
| • for AWG conductors / for main contacts | | 2x (24 ... 14) |
| • for auxiliary contacts | | |
| • solid | | 2x (0.25 ... 2.5 mm²) |
| • finely stranded | | |
| • with conductor end processing | | 2x (0.25 ... 1.5 mm²) |
| • without conductor final cutting | | 2x (0.25 ... 2.5 mm²) |
| • for AWG conductors / for auxiliary contacts | | 2x (24 ... 14) |

Certificates/approvals:

General Product Approval



CCC



CSA



GOST



KETI



UL



UR

Declaration of Conformity



EG-Konf.

Test Certificates

[Special Test Certificate](#)

Shipping Approval



ABS



BUREAU
VERITAS



DNV



GL



LRS



PRS

Shipping Approval

other



RINA



RMRS

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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/industrial-controls/mall>

Cax online generator:

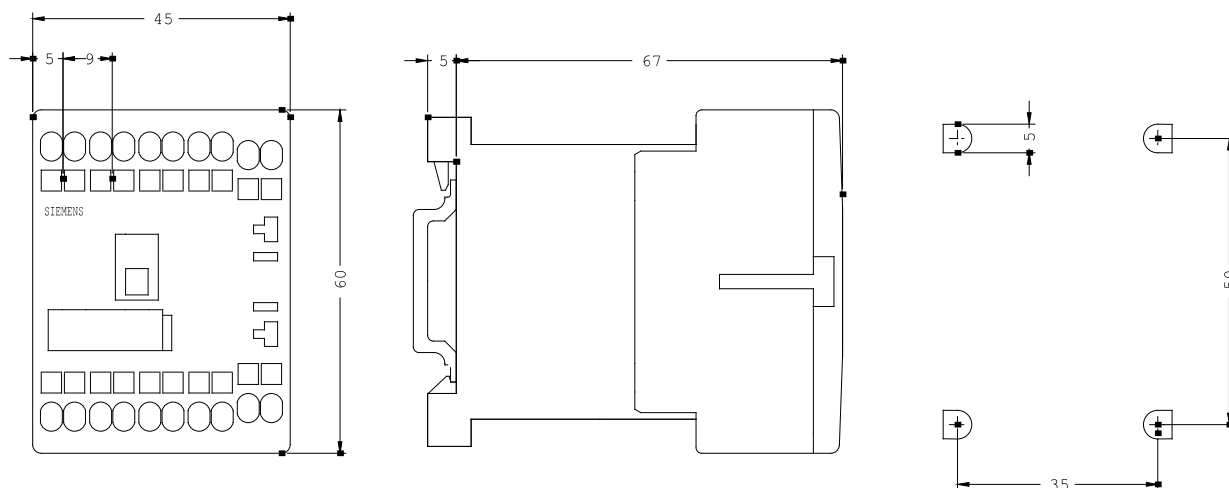
<http://www.siemens.com/cax>

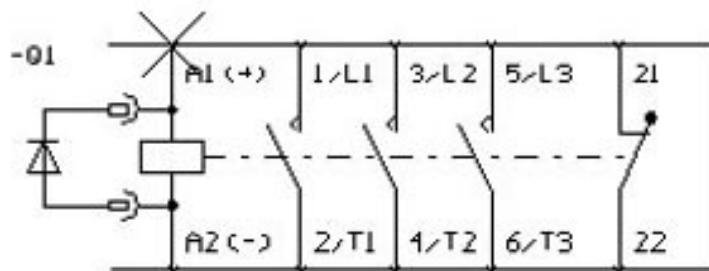
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RT1015-2JB42/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT1015-2JB42





last change:

Mar 1, 2013