

OVERLOAD RELAY, 0.11...0.16 A, 1NO+1NC,
SIZE S00, CLASS 10,
FOR CONTACTOR MOUNTING

General technical data:

| | | |
|---|----|------------------------|
| product brand name | | SIRIUS |
| Product designation | | thermal overload relay |
| Size of overload relay | | S00 |
| Number of poles / for main current circuit | | 3 |
| Product function / removable terminal for auxiliary and control circuit | | No |
| Impulse voltage resistance / rated value | kV | 6 |
| Protection class IP / on the front | | IP20 |
| Protection against electrical shock | | finger-safe |
| Installation altitude / at a height over sea level / maximum | m | 2,000 |
| Resistance against shock | | 8g / 10 ms |
| Ambient temperature | | |
| • during transport | °C | -55 ... +80 |
| • during storage | °C | -55 ... +80 |
| • during operating | °C | -20 ... +70 |
| Relative humidity / during operating phase / maximum | % | 100 |
| type of protection | | DMT 98 ATEX G 001 |
| Active power loss / total / typical | W | 6.6 |
| Size of the contactor / can be combined / company-specific | | S00 |

Main circuit:

| | | |
|--|----|------|
| Operating current / of the fuse link / rated value | A | 0.5 |
| Service power / at AC-3 | | |
| • at 400 V | kW | 0.04 |
| Type of assignment | | 2 |

Auxiliary circuit:

| | | |
|---|--|------------------------------|
| Number of NC contacts / for auxiliary contacts | | 1 |
| Number of NO contacts / for auxiliary contacts | | 1 |
| Number of changeover contacts / for auxiliary contacts | | 0 |
| Design of the fuse link / for short-circuit protection of the auxiliary switch / required | | fuse gL/gG: 6 A, quick: 10 A |

| | | |
|---|---|------|
| Operating current / of the auxiliary contacts / at AC-15 | | |
| • at 24 V | A | 3 |
| • at 110 V | A | 3 |
| • at 120 V | A | 3 |
| • at 125 V | A | 3 |
| • at 230 V | A | 2 |
| • at 400 V | A | 1 |
| Operating current / of the auxiliary contacts / at DC-13 | | |
| • at 24 V | A | 1 |
| • at 110 V | A | 0.22 |
| • at 125 V | A | 0.22 |
| • at 220 V | A | 0.11 |

Protection function:

| | | |
|---|---|---------------|
| Trip class | | CLASS 10 |
| Adjustable response current | | |
| • of the current-dependent overload release | A | 0.11 ... 0.16 |

Installation/mounting/dimensions:

| | | |
|--------------------------|----|---|
| Type of mounting | | direct mounting |
| mounting position | | with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back |
| Depth | mm | 78 |
| Height | mm | 87 |
| Width | mm | 45 |

Connections:

| | | |
|--|--|--|
| Design of the electrical connection | | |
| • for main current circuit | | screw-type terminals |
| • for auxiliary and control current circuit | | screw-type terminals |
| Type of the connectable conductor cross-section | | |
| • for main contacts | | |
| • solid | | 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²), 2x 4 mm ² max. |
| • finely stranded | | |
| • with conductor end processing | | 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) |
| • for AWG conductors / for main contacts | | 2x (20 ... 16), 2x (18 ... 14), 2x 12 |
| • for auxiliary contacts | | |
| • solid | | 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) |
| • finely stranded | | |
| • with conductor end processing | | 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) |

• for AWG conductors / for auxiliary contacts

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

Certificates/approvals:

General Product Approval



For use in hazardous locations

Declaration of Conformity

Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

Shipping Approval



Shipping Approval

other



[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:

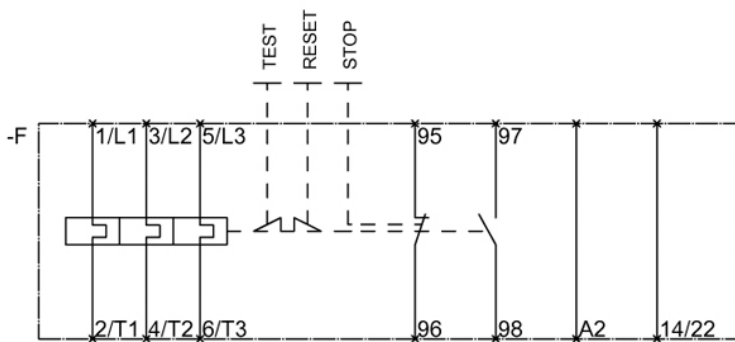
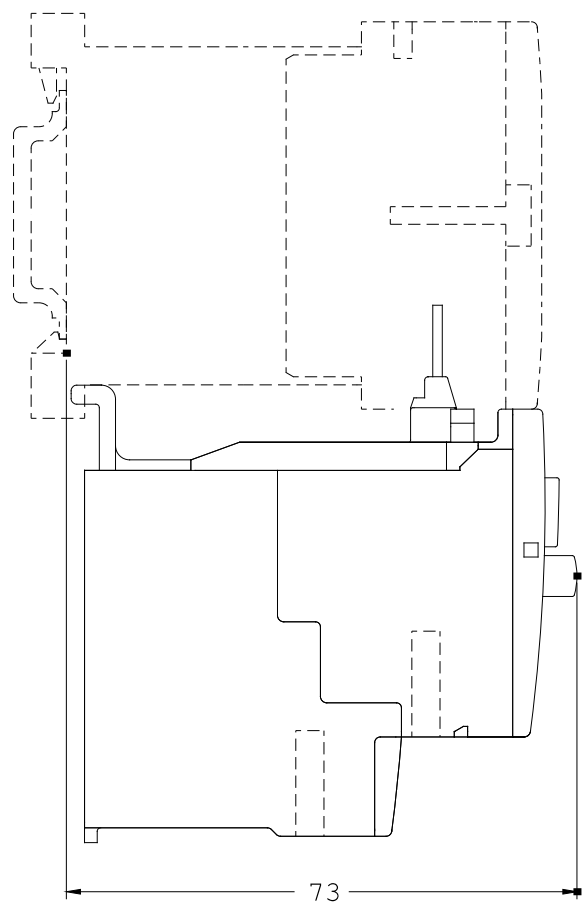
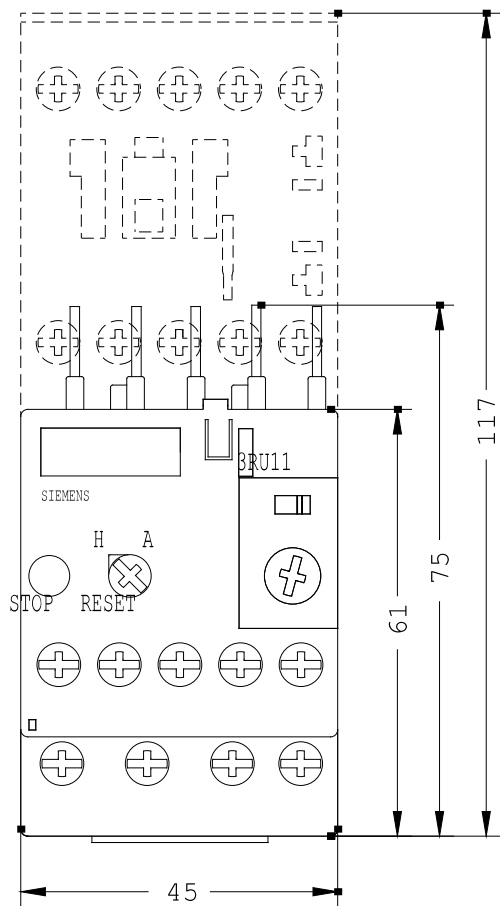
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RU1116-0AB0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RU1116-0AB0



last change:

Sep 2, 2013