



OVERLOAD RELAY, 4.5...6.3 A, 1NO+1NC,
SIZE S0, CLASS 10,
FOR CONTACTOR MOUNTING

| General technical data: | | |
|---|----|------------------------|
| product brand name | | SIRIUS |
| Product designation | | thermal overload relay |
| Size of overload relay | | S0 |
| 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 |
| Size of the contactor / can be combined / company-specific | | S0 |

| | | |
|--|----------------------------|---|
| Main circuit: | | |
| Operating current / of the fuse link / rated value | A | 20 |
| Service power / at AC-3 • at 400 V | kW | 2.2 |
| 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 • at 110 V • at 120 V • at 125 V • at 230 V • at 400 V | A A A A A A | 3 3 3 3 2 1 |
| Operating current / of the auxiliary contacts / at DC-13 • at 24 V • at 110 V • at 125 V • at 220 V | A A A A | 1 0.22 0.22 0.11 |
| Protection function: | | |
| Trip class | | CLASS 10 |
| Adjustable response current • of the current-dependent overload release | A | 4.5 ... 6.3 |
| Installation/mounting/dimensions: | | |
| Mounting type | | direct mounting |
| mounting position | | with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back |
| Depth | mm | 96 |
| Height | mm | 97 |
| Width | mm | 45 |
| Connections: | | |
| Design of the electrical connection • for main current circuit | | screw-type terminals |

- for auxiliary and control current circuit

Type of the connectable conductor cross-section

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

screw-type terminals

2x (1 ... 2.5 mm²), 2x (2.5 ... 10 mm²)

2x (1 ... 2.5 mm²), 2x (2.5 ... 6 mm²), 1x 10 mm²

2x (16 ... 12), 2x (14 ... 8)

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

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)

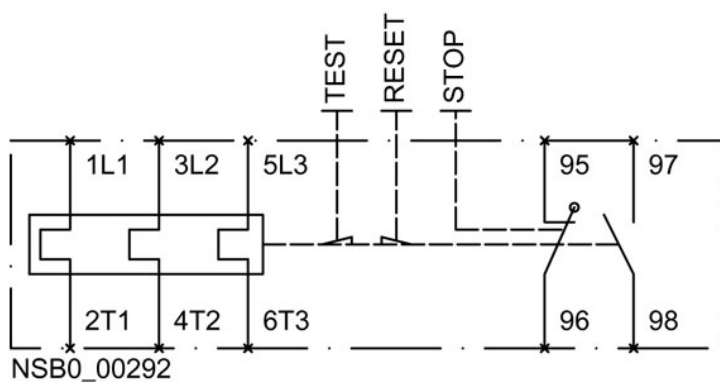
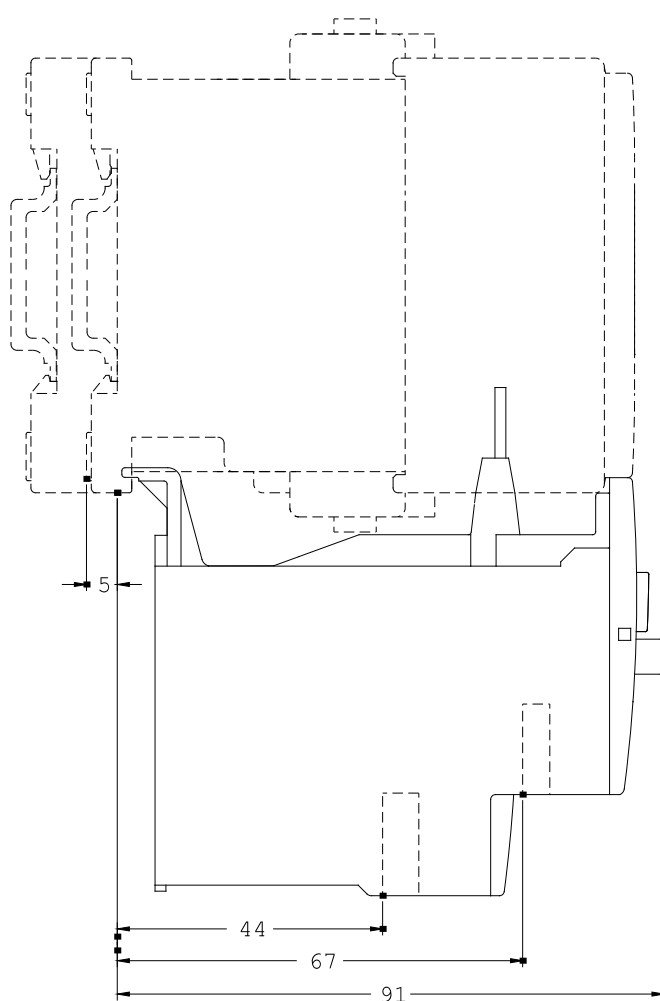
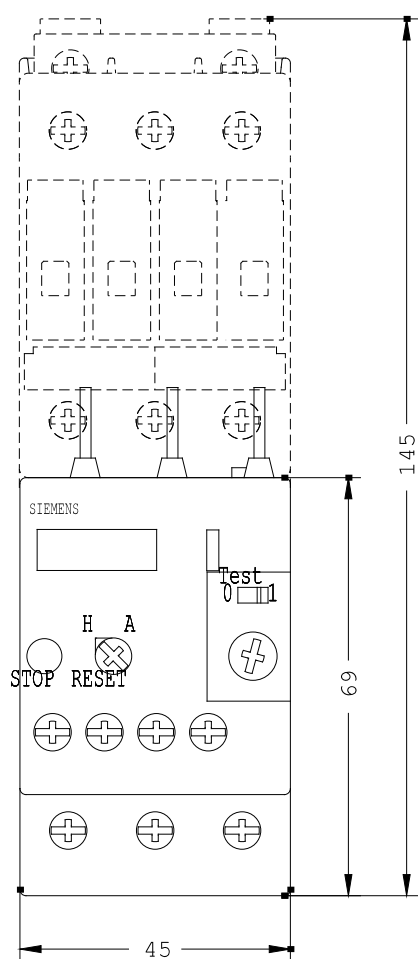
<http://www.siemens.com/industrial-controls/mall>

Cax online generator:

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

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

<http://support.automation.siemens.com/WW/view/en/3RU1126-1GB0/all>



last change:

Mar 17, 2014