



OVERLOAD RELAY 5.5...8.0 A FOR MOTOR PROTECTION SZ S0, CLASS 10, F. MOUNTING ONTO CONTACTOR MAIN CIRCUIT: SCREW TERMINAL AUX. CIRCUIT: SCREW TERMINAL MANUAL-AUTOMATIC-RESET

General technical data:

| | | |
|--|-----|-----------------------------|
| product brand name | | SIRIUS |
| product designation | | 3RU2 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 / 11 ms |
| Ambient temperature | | |
| • during transport | °C | -55 ... +80 |
| • during storage | °C | -55 ... +80 |
| • during operating | °C | -40 ... +70 |
| Relative humidity | | |
| • during operating phase | / % | 90 |
| Active power loss / total / typical | W | 6 |
| Size of the contactor / can be combined / company-specific | | S0 |

| Main circuit: | | |
|--|---|---|
| Operating current / at AC-3 / at 400 V / rated value | A | 8 |
| 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 |
| 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 | 2 |
| • 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 | 5.5 ... 8 |

| Safety: | | |
|---|-----|-------|
| Proportion of dangerous failures | | |
| • with high demand rate / according to SN 31920 | % | 50 |
| • with low demand rate / according to SN 31920 | % | 50 |
| Mean time to failure (MTTF) / with high demand rate | a | 2,280 |
| Failure rate (FIT value) / with low demand rate / according to SN 31920 | FIT | 50 |
| T1 value / for proof test interval or service life / according to IEC 61508 | a | 20 |

| Installation/mounting/dimensions: | | |
|-----------------------------------|----|-----------------|
| Type of mounting | | direct mounting |
| mounting position | | vertical |
| Depth | mm | 85 |
| Height | mm | 85 |
| Width | mm | 45 |

Connections:

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 auxiliary contacts

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

UL/CSA ratings:

Contact rating designation / for auxiliary contacts / according to UL

B600 / R300

Certificates/approvals:

General Product Approval

For use in hazardous locations

Declaration of Conformity



CCC



CSA



UL



ATEX



EG-Konf.

Test Certificates

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

Shipping Approval



ABS



BUREAU
VERITAS



DNV



GL



LRS



PRS

Shipping Approval

other



RINA



RMRS

[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:

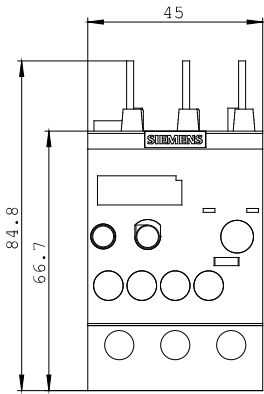
<http://www.siemens.com/cax>

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

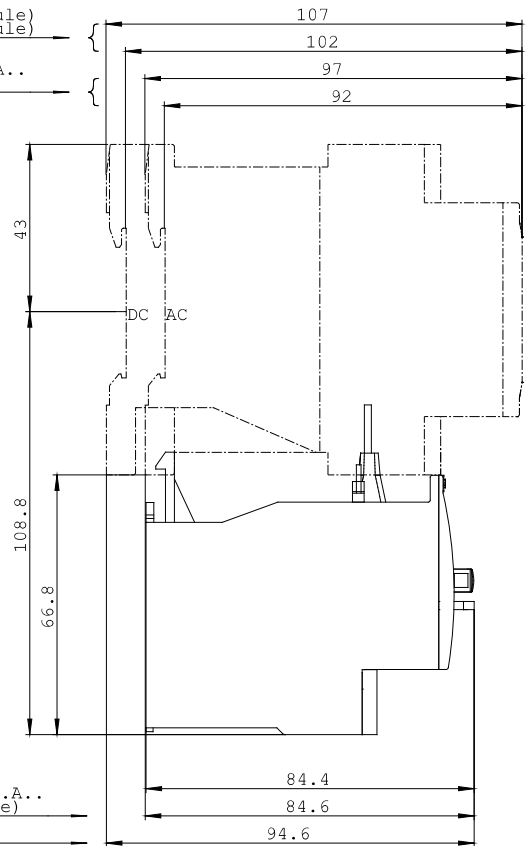
<http://support.automation.siemens.com/WW/view/en/3RU2126-1HB0/all>

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

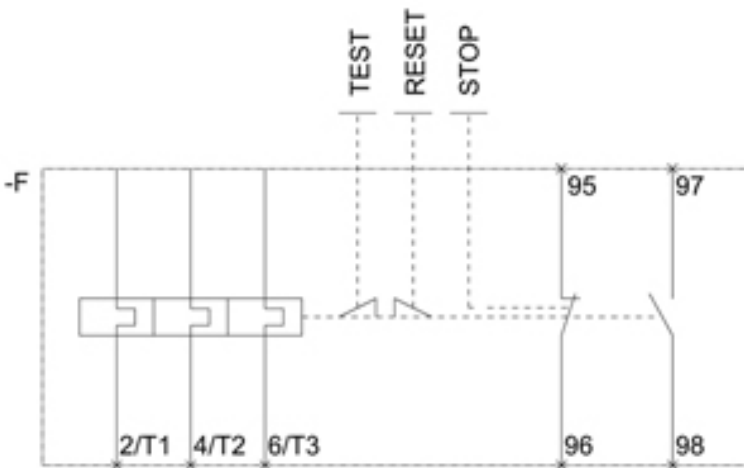
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RU2126-1HB0



3RT2...-B.. (DC-Spule)
 3RT2...-N.. (UC-Spule)
 3RT2...-A.. (AC-Spule)



3RT2...-B.. (DC-Spule)
 3RT2...-N.. (UC-Spule)
 3RT2...-A.. (AC-Spule)



last change:

Oct 28, 2013