



OVERLOAD RELAY, 2.2...3.2 A, 1NO+1NC,  
SIZE S00, CLASS 10,  
CAGE CLAMP CONNECTION,  
FOR INSTALLAT. AS A SINGLE UNIT

| 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  | 10  |
| Service power / at AC-3                            |    |     |
| • at 400 V                                         | kW | 1.1 |
| 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 | 2.2 ... 3.2 |

| Installation/mounting/dimensions: |    |                                                                                                                         |
|-----------------------------------|----|-------------------------------------------------------------------------------------------------------------------------|
| Mounting type                     |    | stand-alone installation                                                                                                |
| mounting position                 |    | with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back |
| Depth                             | mm | 78                                                                                                                      |
| Height                            | mm | 92                                                                                                                      |
| Width                             | mm | 45                                                                                                                      |

| Connections:                        |  |                      |
|-------------------------------------|--|----------------------|
| Design of the electrical connection |  |                      |
| • for main current circuit          |  | Cage Clamp terminals |

|                                                        |  |                                    |
|--------------------------------------------------------|--|------------------------------------|
| • for auxiliary and control current circuit            |  | Cage Clamp terminals               |
| <b>Type of the connectable conductor cross-section</b> |  |                                    |
| • for main contacts                                    |  |                                    |
| • solid                                                |  | 2x (0.25 ... 2.5 mm <sup>2</sup> ) |
| • finely stranded                                      |  |                                    |
| • without conductor final cutting                      |  | 2x (0.25 ... 2.5 mm <sup>2</sup> ) |
| • with conductor end processing                        |  | 2x (0.25 ... 1.5 mm <sup>2</sup> ) |
| • for AWG conductors / for main contacts               |  | 2x (24 ... 14)                     |
| • for auxiliary contacts                               |  |                                    |
| • solid                                                |  | 2x (0.5 ... 2.5 mm <sup>2</sup> )  |
| • finely stranded                                      |  |                                    |
| • without conductor final cutting                      |  | 2x (0.5 ... 1.5 mm <sup>2</sup> )  |
| • with conductor end processing                        |  | 2x (0.5 ... 1.5 mm <sup>2</sup> )  |
| • for AWG conductors / for auxiliary contacts          |  | 2x (20 ... 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,...)

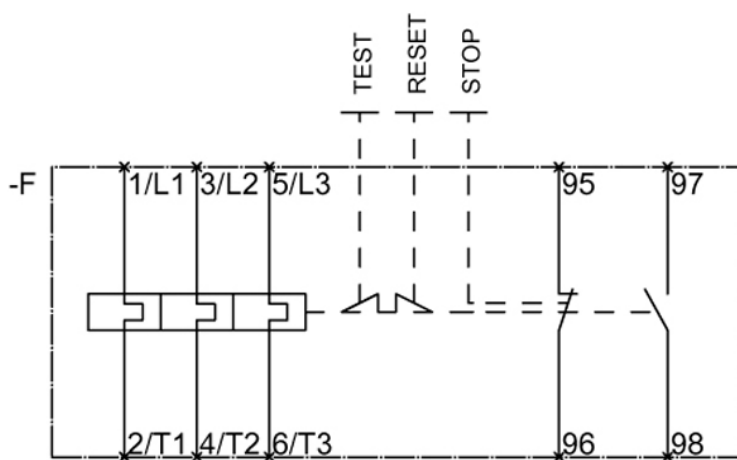
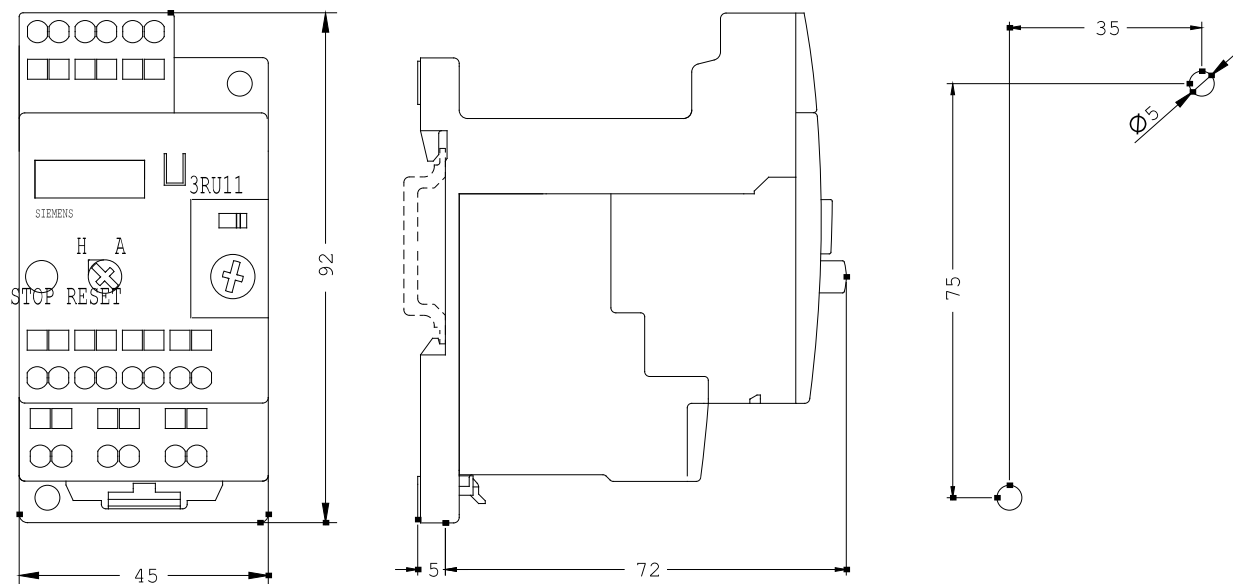
<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

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

Cax online generator:

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



last change:

Mar 17, 2014