



OVERLOAD RELAY, 3.5...5 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 | 1.5 |
| 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 | 3.5 ... 5 |

| 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 |

|   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• for auxiliary and control current circuit</li> </ul>   | screw-type terminals  |
| <b>Type of the connectable conductor cross-section</b> <ul style="list-style-type: none"> <li>• for main contacts <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded <ul style="list-style-type: none"> <li>• with conductor end processing</li> </ul> </li> </ul> </li> <li>• for AWG conductors / for main contacts</li> <li>• for auxiliary contacts <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded <ul style="list-style-type: none"> <li>• with conductor end processing</li> </ul> </li> </ul> </li> <li>• for AWG conductors / for auxiliary contacts</li> </ul> | 2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 10 mm <sup>2</sup> )<br><br>2x (1 ... 2.5 mm <sup>2</sup> ), 2x (2.5 ... 6 mm <sup>2</sup> ), 1x 10 mm <sup>2</sup><br><br>2x (16 ... 12), 2x (14 ... 8)<br><br>2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )<br><br>2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> )<br><br>2x (20 ... 16), 2x (18 ... 14) |

**Certificates/approvals:**

|                                 |                                       |                                  |
|---------------------------------|---------------------------------------|----------------------------------|
| <b>General Product Approval</b> | <b>For use in hazardous locations</b> | <b>Declaration of Conformity</b> |
|---------------------------------|---------------------------------------|----------------------------------|



**Test Certificates**

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

**Shipping Approval**



**Shipping Approval other**



[other](#)

[Environmental Confirmations](#)

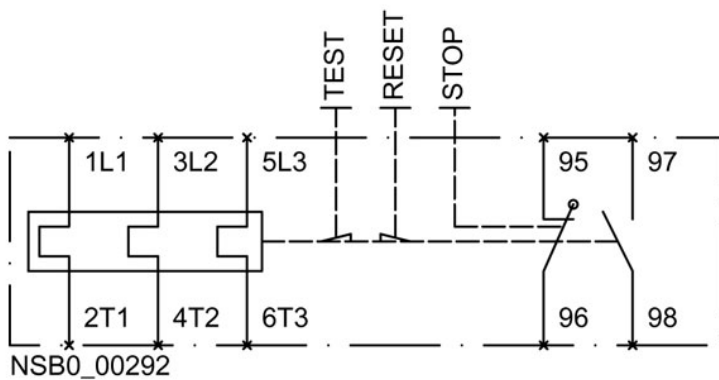
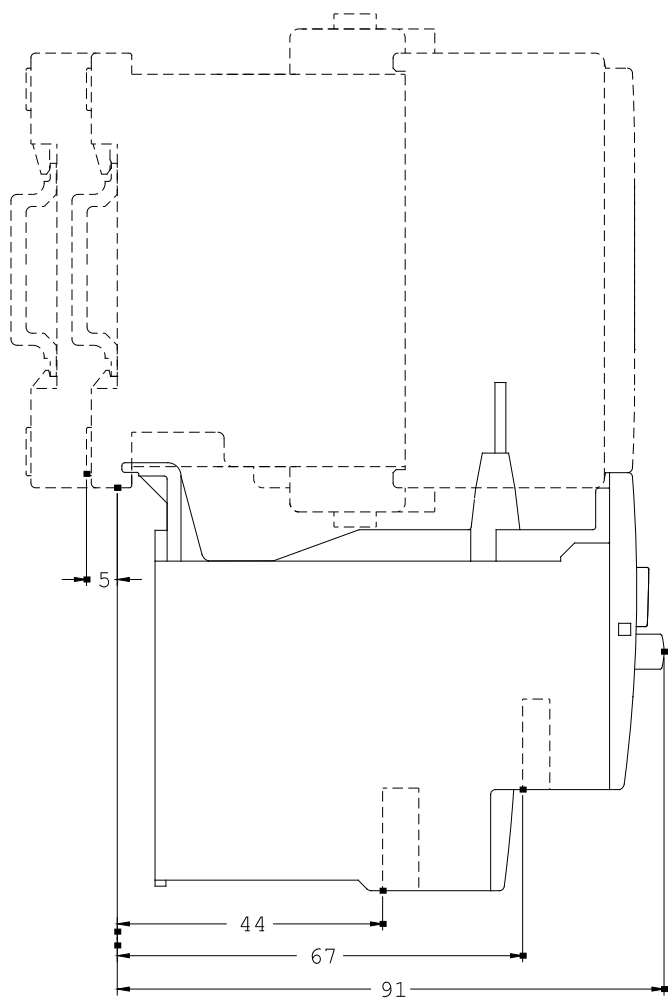
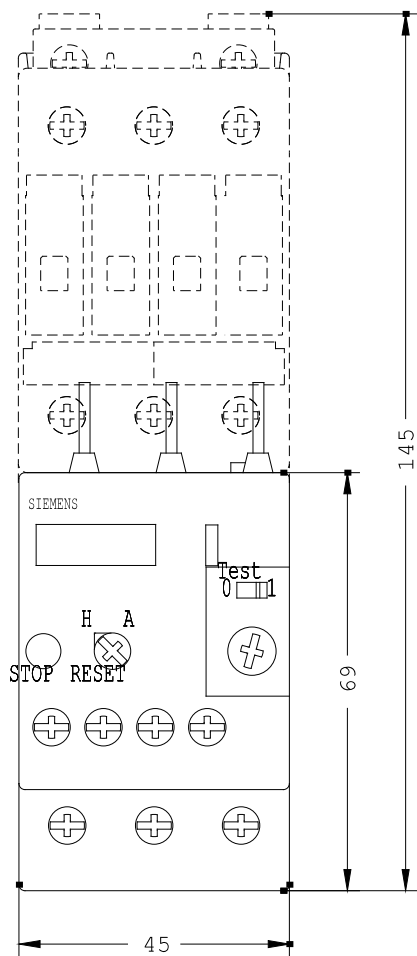
**Further information:**

**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/WWW/view/en/3RU1126-1FB0/all>



last change:

Mar 17, 2014