

OVERLOAD RELAY, 22...32 A, 1NO+1NC, SIZE S2, CLASS 10,  
FOR CONTACTOR MOUNTING



Figure similar

|                     |                        |
|---------------------|------------------------|
| product brand name  | SIRIUS                 |
| Product designation | thermal overload relay |

| General technical data:  |                   |
|--|-------------------|
| Size of overload relay   | S2                |
| Size of contactor can be combined company-specific             | S2                |
| Power loss [W] total typical                                   | 9 W               |
| Insulation voltage with degree of pollution 3 rated value      | 690 V             |
| Surge voltage resistance rated value                           | 6 kV              |
| Protection class IP  | IP20              |
| <ul style="list-style-type: none"> <li>on the front</li> </ul> | IP20              |
| Shock resistance   | 8g / 10 ms        |
| Type of protection   | DMT 98 ATEX G 001 |
| Protection against electrical shock                            | finger-safe       |
| Equipment marking acc. to DIN EN 81346-2                       | F                 |

| Ambient conditions:                                     |         |
|---|---------|
| Installation altitude at height above sea level maximum | 2 000 m |
| Ambient temperature                                     |         |

|  |                |
|--|----------------|
| <ul style="list-style-type: none"> <li>during operation</li> </ul> | -20 ... +70 °C |
| <ul style="list-style-type: none"> <li>during storage</li> </ul>   | -55 ... +80 °C |
| <ul style="list-style-type: none"> <li>during transport</li> </ul> | -55 ... +80 °C |
| <b>Relative humidity during operation</b>                          | 100 %          |

#### Main circuit:

|   |             |
|---|-------------|
| <b>Number of poles for main current circuit</b>                                   | 3           |
| <b>Adjustable pick-up value current of the current-dependent overload release</b> | 22 ... 32 A |
| <b>Operating voltage</b>  |             |
| <ul style="list-style-type: none"> <li>at AC-3 rated value maximum</li> </ul>     | 690 V       |

#### Auxiliary circuit:

|   |  |
|---|--|
| <b>Number of NC contacts</b>  |  |
| <ul style="list-style-type: none"> <li>for auxiliary contacts</li> </ul>  | 1                                      |
| <b>Number of NO contacts</b>  |  |
| <ul style="list-style-type: none"> <li>for auxiliary contacts</li> </ul>  | 1                                      |
| <b>Number of CO contacts</b>  |  |
| <ul style="list-style-type: none"> <li>for auxiliary contacts</li> </ul>  | 0                                      |
| <b>Operating current of auxiliary contacts at AC-15</b>   |  |
| <ul style="list-style-type: none"> <li>at 24 V</li> <li>at 110 V</li> <li>at 120 V</li> <li>at 125 V</li> <li>at 230 V</li> <li>at 400 V</li> </ul> | 3 A<br>3 A<br>3 A<br>3 A<br>2 A<br>1 A |
| <b>Operating current of auxiliary contacts at DC-13</b>   |  |
| <ul style="list-style-type: none"> <li>at 24 V</li> <li>at 110 V</li> <li>at 125 V</li> <li>at 220 V</li> </ul>                                     | 1 A<br>0.22 A<br>0.22 A<br>0.11 A      |

#### Protective and monitoring functions:

|                   |          |
|-------------------|----------|
| <b>Trip class</b> | Class 10 |
|-------------------|----------|

#### Short-circuit protection

|   |                              |
|---|------------------------------|
| <b>Design of the fuse link</b>  |                              |
| <ul style="list-style-type: none"> <li>for short-circuit protection of the auxiliary switch required</li> </ul> | fuse gL/gG: 6 A, quick: 10 A |

#### Installation/ mounting/ dimensions:

|                          |   |
|--------------------------|---|
| <b>Mounting position</b> | with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back |
| <b>Mounting type</b>     | direct mounting   |
| <b>Height</b>            | 105 mm  |
| <b>Width</b>             | 55 mm   |

|   |        |
|---|--------|
| <b>Depth</b>  | 118 mm |
| <b>Required spacing</b>   |        |
| <ul style="list-style-type: none"> <li>• with side-by-side mounting <ul style="list-style-type: none"> <li>— forwards 0 mm</li> <li>— Backwards 0 mm</li> <li>— upwards 0 mm</li> <li>— downwards 0 mm</li> <li>— at the side 0 mm</li> </ul> </li> <li>• for grounded parts <ul style="list-style-type: none"> <li>— forwards 0 mm</li> <li>— Backwards 0 mm</li> <li>— upwards 0 mm</li> <li>— at the side 6 mm</li> <li>— downwards 0 mm</li> </ul> </li> <li>• for live parts <ul style="list-style-type: none"> <li>— forwards 0 mm</li> <li>— Backwards 0 mm</li> <li>— upwards 0 mm</li> <li>— downwards 0 mm</li> <li>— at the side 6 mm</li> </ul> </li> </ul> |        |

|  |  |
|--|--|
| <b>Connections/ Terminals:</b>   |  |
| <b>Product function</b>  |  |
| <ul style="list-style-type: none"> <li>• removable terminal for auxiliary and control circuit</li> </ul>   | No   |
| <b>Type of electrical connection</b>   |  |
| <ul style="list-style-type: none"> <li>• for main current circuit</li> <li>• for auxiliary and control current circuit</li> </ul>  | screw-type terminals<br>screw-type terminals |
| <b>Type of connectable conductor cross-sections</b>  |  |
| <ul style="list-style-type: none"> <li>• for main contacts <ul style="list-style-type: none"> <li>— solid 2x (0.75 ... 16 mm<sup>2</sup>)</li> <li>— stranded 2x (0.75 ... 25 mm<sup>2</sup>), 0.75 ... 35 mm<sup>2</sup></li> <li>— finely stranded with core end processing 2x (0.75 ... 16 mm<sup>2</sup>), 0.75 ... 25 mm<sup>2</sup></li> </ul> </li> <li>• at AWG conductors for main contacts 2x (18 ... 3), 1x (18 ... 1)</li> </ul> |  |
| <b>Type of connectable conductor cross-sections</b>  |  |
| <ul style="list-style-type: none"> <li>• for auxiliary contacts <ul style="list-style-type: none"> <li>— solid 2x (0.5 ... 1.5 mm<sup>2</sup>), 2x (0.75 ... 2.5 mm<sup>2</sup>)</li> <li>— finely stranded with core end processing 2x (0.5 ... 1.5 mm<sup>2</sup>), 2x (0.75 ... 2.5 mm<sup>2</sup>)</li> </ul> </li> <li>• at AWG conductors for auxiliary contacts 2x (20 ... 16), 2x (18 ... 14)</li> </ul>                             |  |

**Certificates/approvals**

|                          |                                |
|--------------------------|--------------------------------|
| General Product Approval | For use in hazardous locations |
|--------------------------|--------------------------------|



|                           |                   |                   |
|---------------------------|-------------------|-------------------|
| Declaration of Conformity | Test Certificates | Shipping Approval |
|---------------------------|-------------------|-------------------|



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|                   |       |
|-------------------|-------|
| Shipping Approval | other |
|-------------------|-------|



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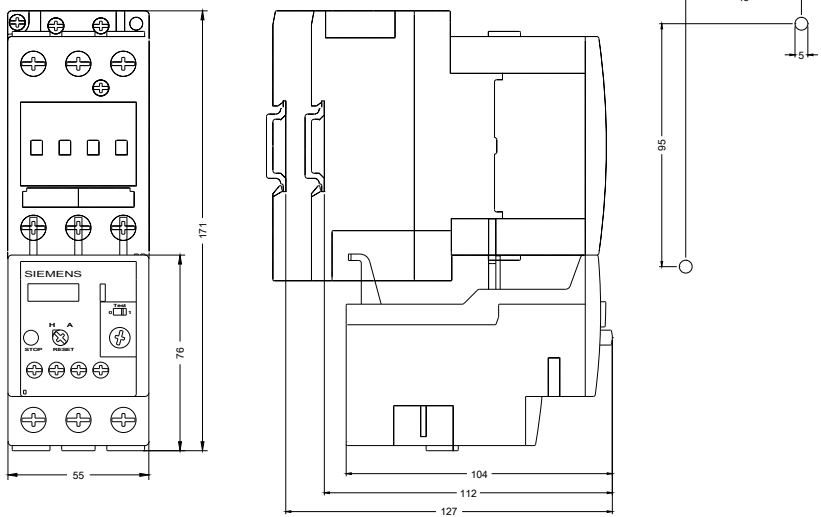
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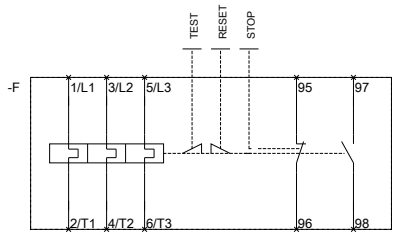
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last modified:

05.04.2016