OVERLOAD RELAY 25...100 A FOR MOTOR PROTECTION SIZE S3, CLASS 10 FOR MOUNTING ONTO CONT. MAIN CIRCUIT: SCREW CONNECTION AUX. CIRCUIT: SCREW CONNECTION MANUAL-AUTOMATIC-RESET

<table>
<thead>
<tr>
<th>General technical data:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>product brand name</strong></td>
<td>SIRIUS</td>
</tr>
<tr>
<td><strong>Product designation</strong></td>
<td>solid-state overload relay</td>
</tr>
<tr>
<td><strong>Size of overload relay</strong></td>
<td>S3</td>
</tr>
<tr>
<td><strong>Number of poles / for main current circuit</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Product function / removable terminal for auxiliary and control circuit</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Impulse voltage resistance / rated value</strong></td>
<td>kV 8</td>
</tr>
<tr>
<td><strong>Protection class IP</strong></td>
<td>IP20</td>
</tr>
<tr>
<td><strong>Protection class IP / on the front</strong></td>
<td>IP20</td>
</tr>
<tr>
<td><strong>Protection against electrical shock</strong></td>
<td>finger-safe</td>
</tr>
<tr>
<td><strong>Installation altitude / at a height over sea level / maximum</strong></td>
<td>m 2,000</td>
</tr>
<tr>
<td><strong>Resistance against shock</strong></td>
<td>15g / 11 ms</td>
</tr>
<tr>
<td><strong>Ambient temperature</strong></td>
<td>°C</td>
</tr>
<tr>
<td>• during transport</td>
<td>-40 ... +80</td>
</tr>
<tr>
<td>• during storage</td>
<td>-40 ... +80</td>
</tr>
<tr>
<td>• during operating</td>
<td>-25 ... +60</td>
</tr>
<tr>
<td><strong>Relative humidity / during operating phase / maximum</strong></td>
<td>% 100</td>
</tr>
<tr>
<td><strong>Electrostatic discharge / according to IEC 61000-4-2</strong></td>
<td>6 kV contact discharge / 8 kV air discharge</td>
</tr>
<tr>
<td><strong>Field-bound parasitic coupling / according to IEC 61000-4-3</strong></td>
<td>10 V/m</td>
</tr>
</tbody>
</table>
Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4
- 2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3

Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5
- 2 kV (line to earth) corresponds to degree of severity 3

Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5
- 1 kV (line to line) corresponds to degree of severity 3

Type of protection
- PTB 06 ATEX 3001 Ex II (2) GD

Active power loss / total / typical
- W 0.05

Size of the contactor / can be combined / company-specific
- S3

Main circuit:
- Operating current / of the fuse link / rated value
  - A 315

Type of assignement
- 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

- Operating current / of the auxiliary contacts
  - at AC-15
    - at 24 V
      - A 4
    - at 110 V
      - A 4
    - at 120 V
      - A 4
    - at 125 V
      - A 4
    - at 230 V
      - A 3
  - at DC-13
    - at 24 V
      - A 2
    - at 60 V
      - A 0.55
    - at 110 V
      - A 0.3
    - at 125 V
      - A 0.3
    - at 220 V
      - A 0.11

Protective and monitoring functions:
- Trip class
  - CLASS 10

- Adjustable response current / of the current-dependent overload release
  - A 25 … 100

Installation/ mounting/ dimensions:
- Mounting type
  - direct mounting

- mounting position
  - any

- Depth
  - mm 124
<table>
<thead>
<tr>
<th>Height</th>
<th>mm</th>
<th>106</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>mm</td>
<td>70</td>
</tr>
</tbody>
</table>

### Connections/ terminals:

#### Design of the electrical connection

- for main current circuit
- for auxiliary and control current circuit

#### Type of the connectable conductor cross-section

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

### Certificates/ approvals:

<table>
<thead>
<tr>
<th>General Product Approval</th>
<th>EMC</th>
<th>For use in hazardous locations</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCC</td>
<td>CSA</td>
<td>UL</td>
</tr>
<tr>
<td>C-TICK</td>
<td>ATEX</td>
<td></td>
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</table>

#### Test Certificates

<table>
<thead>
<tr>
<th>Special Test Certificate</th>
<th>Type Test Certificates/Test Report</th>
</tr>
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</table>

#### Shipping Approval

<table>
<thead>
<tr>
<th>ABS</th>
<th>DNV</th>
<th>GL</th>
<th>LRS</th>
<th>RINA</th>
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<th>other</th>
</tr>
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<tbody>
<tr>
<td>Declaration of Conformity</td>
</tr>
</tbody>
</table>

### 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
last change: Mar 17, 2014