



OVERLOAD RELAY, 57...75 A, 1NO+1NC, SIZE S3, CLASS 10,  
FOR CONTACTOR MOUNTING

Figure similar

|                                                                                          |                        |
|------------------------------------------------------------------------------------------|------------------------|
| product brand name                                                                       | SIRIUS                 |
| Product designation                                                                      | thermal overload relay |
| General technical data:                                                                  |                        |
| Active power loss total typical                                                          | 16.5 W                 |
| Insulation voltage                                                                       | 1 000 V                |
| <ul style="list-style-type: none"> <li>with degree of pollution 3 Rated value</li> </ul> |                        |
| Surge voltage resistance Rated value                                                     | 8 kV                   |
| Size of contactor can be combined company-specific                                       | S3                     |
| Type of assignment                                                                       | 2                      |
| Protection class IP                                                                      | IP20                   |
| <ul style="list-style-type: none"> <li>on the front</li> </ul>                           |                        |
| Type of protection                                                                       | DMT 98 ATEX G 001      |
| Equipment marking                                                                        |                        |
| <ul style="list-style-type: none"> <li>acc. to DIN EN 61346-2</li> </ul>                 | F                      |
| <ul style="list-style-type: none"> <li>acc. to DIN EN 81346-2</li> </ul>                 | F                      |
| Main circuit:                                                                            |                        |
| Number of poles for main current circuit                                                 | 3                      |
| Adjustable response value current of the current-dependent overload release              | 57 ... 75 A            |
| Operating voltage                                                                        | 1 000 V                |
| <ul style="list-style-type: none"> <li>at AC-3 Rated value maximum</li> </ul>            |                        |
| Auxiliary circuit:                                                                       |                        |
| Number of NC contacts                                                                    |                        |
| <ul style="list-style-type: none"> <li>for auxiliary contacts</li> </ul>                 | 1                      |

|                                                                                                                                                |                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| <b>Number of NO contacts</b><br>• for auxiliary contacts                                                                                       | 1                                      |
| <b>Number of CO contacts</b><br>• for auxiliary contacts                                                                                       | 0                                      |
| <b>Operating current of the auxiliary contacts at AC-15</b><br>• at 24 V<br>• at 110 V<br>• at 120 V<br>• at 125 V<br>• at 230 V<br>• at 400 V | 3 A<br>3 A<br>3 A<br>3 A<br>2 A<br>1 A |
| <b>Operating current of the auxiliary contacts at DC-13</b><br>• at 24 V<br>• at 110 V<br>• at 125 V<br>• at 220 V                             | 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:

|                                                                                                   |                              |
|---------------------------------------------------------------------------------------------------|------------------------------|
| <b>Design of the fuse link</b><br>• for short-circuit protection of the auxiliary switch required | 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>                                                                                                                                                                                                        | 120 mm                                                                                                                  |
| <b>Width</b>                                                                                                                                                                                                         | 70 mm                                                                                                                   |
| <b>Depth</b>                                                                                                                                                                                                         | 140 mm                                                                                                                  |
| <b>Required spacing</b><br>• with side-by-side mounting<br>— forwards<br>— Backwards<br>— upwards<br>— downwards<br>— at the side<br>• for grounded parts<br>— forwards<br>— Backwards<br>— upwards<br>— at the side | 0 mm<br>0 mm<br>0 mm<br>0 mm<br>0 mm<br>0 mm<br>0 mm<br>0 mm<br>0 mm<br>0 mm<br>0 mm<br>0 mm<br>0 mm<br>0 mm<br>6 mm    |

|                  |      |
|------------------|------|
| — downwards      | 0 mm |
| • for live parts |      |
| — forwards       | 0 mm |
| — Backwards      | 0 mm |
| — upwards        | 0 mm |
| — downwards      | 0 mm |
| — at the side    | 6 mm |

#### Connections/ Terminals:

|                                                        |                                                                       |
|--------------------------------------------------------|-----------------------------------------------------------------------|
| <b>Product function</b>                                |                                                                       |
| • removable terminal for auxiliary and control circuit | No                                                                    |
| <b>Type of electrical connection</b>                   |                                                                       |
| • for main current circuit                             | screw-type terminals                                                  |
| • for auxiliary and control current circuit            | screw-type terminals                                                  |
| <b>Type of connectable conductor cross-section</b>     |                                                                       |
| • for main contacts                                    |                                                                       |
| — solid                                                | 2x (2.5 ... 16 mm <sup>2</sup> )                                      |
| — stranded                                             | 2x (10 ... 50 mm <sup>2</sup> ), 10 ... 70 mm <sup>2</sup>            |
| — finely stranded with core end processing             | 2x (2.5 ... 35 mm <sup>2</sup> ), 2.5 ... 50 mm <sup>2</sup>          |
| • for AWG conductors for main contacts                 | 2x (10 ... 1/0), 1x (10 ... 2/0)                                      |
| • for auxiliary contacts                               |                                                                       |
| — solid                                                | 2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> ) |
| — finely stranded with core end processing             | 2x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.75 ... 2.5 mm <sup>2</sup> ) |
| • for AWG conductors for auxiliary contacts            | 2x (20 ... 16), 2x (18 ... 14)                                        |

#### Safety related data:

|                                            |             |
|--------------------------------------------|-------------|
| <b>Protection against electrical shock</b> | finger-safe |
|--------------------------------------------|-------------|

#### Mechanical data:

|                               |    |
|-------------------------------|----|
| <b>Size of overload relay</b> | S3 |
|-------------------------------|----|

#### Ambient conditions:

|                                                                |                |
|----------------------------------------------------------------|----------------|
| <b>Installation altitude at height above sea level maximum</b> | 2 000 m        |
| <b>Ambient temperature</b>                                     |                |
| • during operation                                             | -20 ... +70 °C |
| • during storage                                               | -55 ... +80 °C |
| • during transport                                             | -55 ... +80 °C |
| <b>Relative humidity during operation</b>                      | 100 %          |

#### Certificates/ approvals:

|                          |                                |                           |
|--------------------------|--------------------------------|---------------------------|
| General Product Approval | For use in hazardous locations | Declaration of Conformity |
|--------------------------|--------------------------------|---------------------------|



CCC



CSA



UL



ATEX



EG-Konf.

|                   |                   |
|-------------------|-------------------|
| Test Certificates | Shipping Approval |
|-------------------|-------------------|

[Type Test  
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Report](#)

[Special Test  
Certificate](#)



ABS



BUREAU  
VERITAS



DNV



LRS

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



RMRS

[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/industrymall>

**Cax online generator**

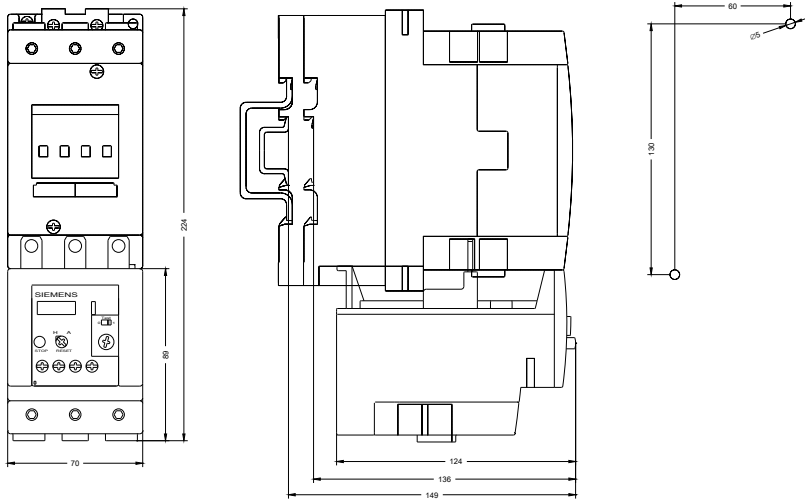
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RU11464KB0>

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

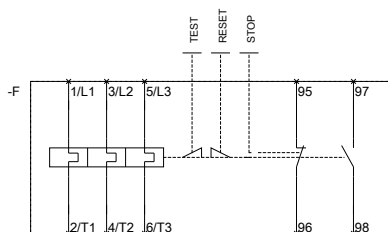
<https://support.industry.siemens.com/cs/ww/en/ps/3RU11464KB0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RU11464KB0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RU11464KB0&lang=en)



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