



OVERLOAD RELAY 0.32...1.25 A FOR MOTOR  
PROTECTION SIZE S00,  
CLASS 20 CONTACTOR ASS. MAIN CIRCUIT: SPR.-  
LOAD.TERM. AUX.CIRCUIT: SPR.-LOAD.TERM. MANUAL-  
AUTOM.-RESET

| General technical data:                                                 |    |                            |
|-------------------------------------------------------------------------|----|----------------------------|
| product brand name                                                      |    | SIRIUS                     |
| Product designation                                                     |    | solid-state overload relay |
| Size of overload relay                                                  |    | S00                        |
| Number of poles / for main current circuit                              |    | 3                          |
| Product function / removable terminal for auxiliary and control circuit |    | Yes                        |
| Product function                                                        |    |                            |
| • overload protection                                                   |    | Yes                        |
| • phase disturbance recognition                                         |    | Yes                        |
| • short-circuit to earth recognition                                    |    | No                         |
| Product component                                                       |    |                            |
| • auxiliary switch                                                      |    | Yes                        |
| • trip indicator                                                        |    | Yes                        |
| Insulation voltage / with degree of pollution 3 / rated value           | V  | 690                        |
| Impulse voltage resistance / rated value                                | kV | 6                          |
| Protection class IP                                                     |    |                            |
| • of the terminal                                                       |    | IP20                       |
| • on the front                                                          |    | IP20                       |
| Protection against electrical shock                                     |    | finger-safe                |



|                                                        |  |       |
|--------------------------------------------------------|--|-------|
| Type of voltage supply / via input/ output link master |  | No    |
| Voltage type / for auxiliary and control circuit       |  | AC/DC |

#### 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 |

#### Protective and monitoring functions:

|                                             |   |               |
|---------------------------------------------|---|---------------|
| Trip class                                  |   | CLASS 20      |
| Adjustable response current                 |   |               |
| • of the current-dependent overload release | A | 0.32 ... 1.25 |

#### Installation/ mounting/ dimensions:

|                                                                 |    |                 |
|-----------------------------------------------------------------|----|-----------------|
| Mounting type                                                   |    | direct mounting |
| mounting position                                               |    | any             |
| Depth                                                           | mm | 90              |
| Height                                                          | mm | 72              |
| Width                                                           | mm | 45              |
| Arrangement of electrical connectors / for main current circuit |    | Top and bottom  |

#### Connections/ terminals:

|                                                 |  |                                              |
|-------------------------------------------------|--|----------------------------------------------|
| Design of the electrical connection             |  |                                              |
| • for main current circuit                      |  | spring-loaded terminals                      |
| • for auxiliary and control current circuit     |  | spring-loaded terminals                      |
| Type of the connectable conductor cross-section |  |                                              |
| • for main contacts                             |  |                                              |
| • solid or multi-stranded                       |  | 1x (0,5 ... 4 mm²)                           |
| • finely stranded                               |  |                                              |
| • without conductor final cutting               |  | 1x (0.5 ... 2.5 mm²)                         |
| • with conductor end processing                 |  | 1x (0.5 ... 2.5 mm²)                         |
| • for AWG conductors / for main contacts        |  | 1x (20 ... 12)                               |
| • for auxiliary contacts                        |  |                                              |
| • solid or multi-stranded                       |  | 1x (0,5 ... 1,5 mm²), 2x (0,5 ... 1,5 mm²)   |
| • finely stranded                               |  |                                              |
| • without conductor final cutting               |  | 1x (0.25 ... 1.5 mm²), 2x (0.25 ... 1.5 mm²) |
| • with conductor end processing                 |  | 1x (0.25 ... 1.5 mm²), 2x (0.25 ... 1.5 mm²) |
| • for AWG conductors / for auxiliary contacts   |  | 1x (24 ... 16), 2x (24 ... 16)               |

#### UL/CSA ratings:

Contact rating designation / for auxiliary contacts / according to UL

B600 / R300

#### Certificates/ approvals:

General Product Approval

EMC

For use in  
hazardous  
locations



CCC



CSA



UL



C-TICK



ATEX

#### Test Certificates

[Special Test  
Certificate](#)

[Type Test  
Certificates/Test  
Report](#)

#### Shipping Approval



ABS



BUREAU  
VERITAS



GL



LRS



RINA

#### other

[Declaration of  
Conformity](#)

[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

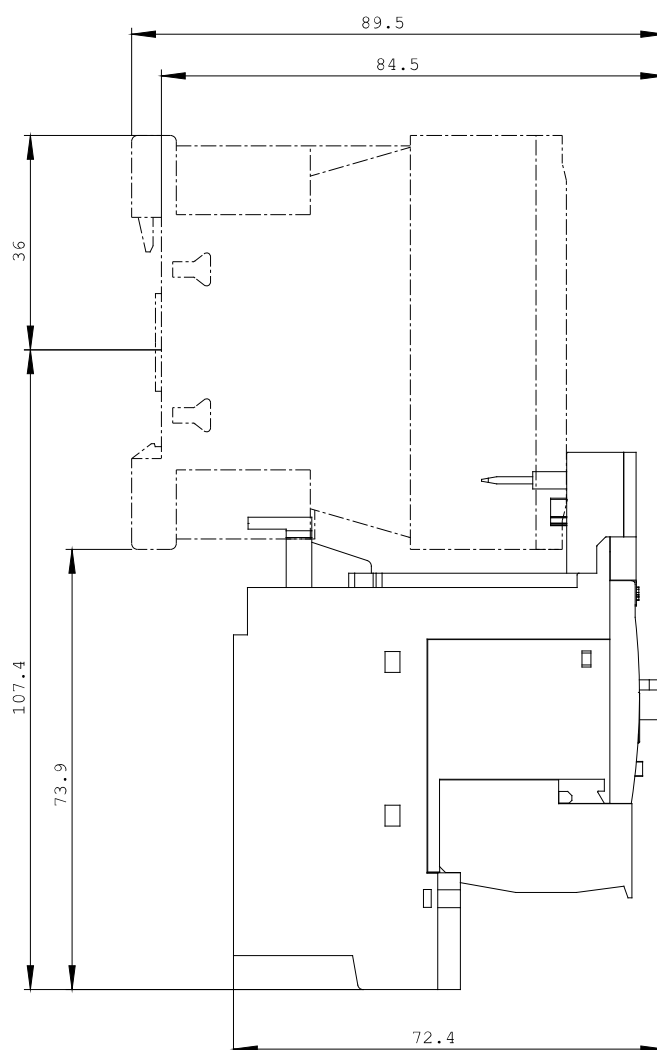
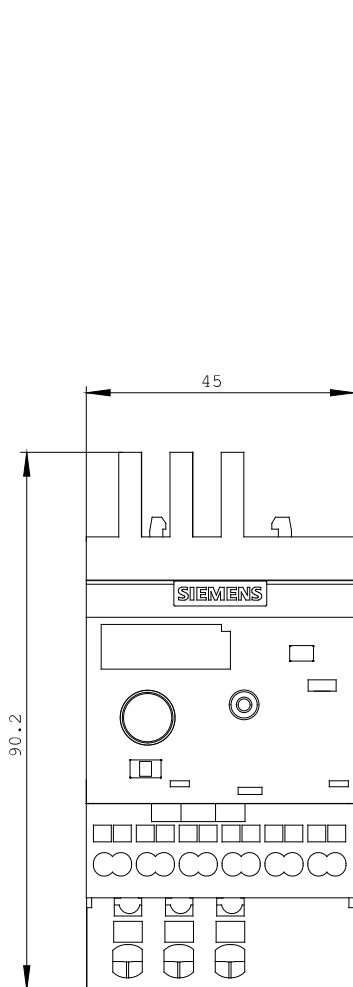
<http://www.siemens.com/cax>

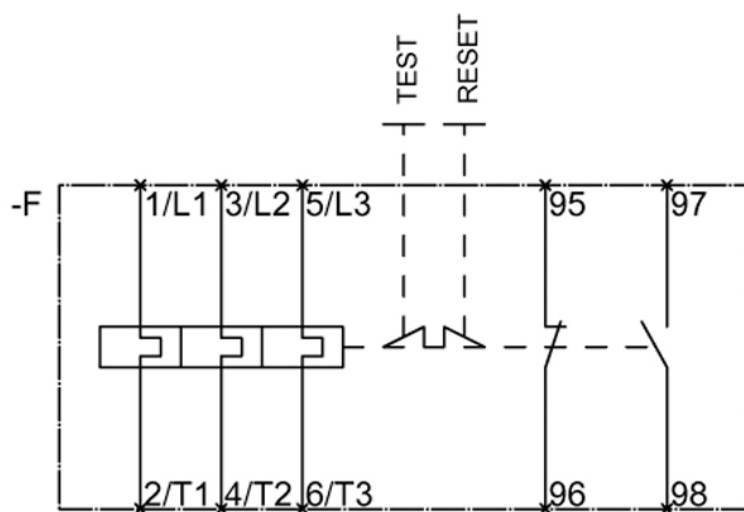
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RB3016-2NE0/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RB3016-2NE0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RB3016-2NE0)





last change:

Aug 4, 2014