

Overload relay 0.55...0.8 A For motor protection Size S00, Class 10
 Contactor mounting Main circuit: screw terminal Auxiliary circuit:
 screw terminal Manual-Automatic-Reset !!! Phased-out product !!!
 Successor is SIRIUS 3RU2 Preferred successor type is >>3RU2116-
 0HB0<<



Figure similar

| | |
|---|------------------------|
| Product brand name | SIRIUS |
| Product designation | thermal overload relay |
| General technical data | |
| Size of overload relay | S00 |
| Size of contactor can be combined company-specific | S00 |
| Power loss [W] total typical | 6.6 W |
| Insulation voltage with degree of pollution 3 rated value | 690 V |
| Surge voltage resistance rated value | 6 kV |
| Protection class IP | |
| • on the front | IP20 |
| Shock resistance | 8g / 10 ms |
| Type of protection | DMT 98 ATEX G 001 |
| Protection against electrical shock | finger-safe |
| Reference code acc. to DIN EN 81346-2 | F |
| Ambient conditions | |
| Installation altitude at height above sea level | |

| | |
|--|----------------|
| <ul style="list-style-type: none"> • maximum | 2 000 m |
| Ambient temperature | |
| <ul style="list-style-type: none"> • during operation | -20 ... +70 °C |
| <ul style="list-style-type: none"> • during storage | -55 ... +80 °C |
| <ul style="list-style-type: none"> • during transport | -55 ... +80 °C |
| Relative humidity during operation | 100 % |

Main circuit

| | |
|---|----------------|
| Number of poles for main current circuit | 3 |
| Adjustable pick-up value current of the current-dependent overload release | 0.55 ... 0.8 A |
| Operating voltage | |
| <ul style="list-style-type: none"> • at AC-3 rated value maximum | 690 V |

Auxiliary circuit

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

Protective and monitoring functions

| | |
|-------------------|----------|
| Trip class | CLASS 10 |
|-------------------|----------|

Short-circuit protection

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

Installation/ mounting/ dimensions

| | |
|--------------------------|---|
| Mounting position | with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back |
| Mounting type | Contactormounting |
| Height | 87 mm |
| Width | 45 mm |

| | |
|---|-------|
| Depth | 78 mm |
| Required spacing | |
| <ul style="list-style-type: none"> • with side-by-side mounting <ul style="list-style-type: none"> — forwards 0 mm — Backwards 0 mm — upwards 0 mm — downwards 0 mm — at the side 0 mm • for grounded parts <ul style="list-style-type: none"> — forwards 0 mm — Backwards 0 mm — upwards 0 mm — at the side 6 mm — downwards 0 mm • for live parts <ul style="list-style-type: none"> — forwards 0 mm — Backwards 0 mm — upwards 0 mm — downwards 0 mm — at the side 6 mm | |

Connections/ Terminals

| | |
|---|---|
| Product function | |
| <ul style="list-style-type: none"> • removable terminal for auxiliary and control circuit | No |
| Type of electrical connection | |
| <ul style="list-style-type: none"> • for main current circuit • for auxiliary and control current circuit | <p>screw-type terminals</p> <p>screw-type terminals</p> |
| Type of connectable conductor cross-sections | |
| <ul style="list-style-type: none"> • for main contacts <ul style="list-style-type: none"> — solid 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), 2x 4 mm² max. — finely stranded with core end processing 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) • at AWG conductors for main contacts 2x (20 ... 16), 2x (18 ... 14), 2x 12 | |
| Type of connectable conductor cross-sections | |
| <ul style="list-style-type: none"> • for auxiliary contacts <ul style="list-style-type: none"> — solid 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) — finely stranded with core end processing 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) • at AWG conductors for auxiliary contacts 2x (20 ... 16), 2x (18 ... 14) | |

Certificates/ approvals

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



CCC



CSA



UL



ATEX



IECEX

| | | |
|---------------------------|-------------------|-------------------|
| Declaration of Conformity | Test Certificates | Marine / Shipping |
|---------------------------|-------------------|-------------------|



EG-Konf.

[Miscellaneous](#)

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



ABS



BUREAU VERITAS

| | |
|-------------------|-------|
| Marine / Shipping | other |
|-------------------|-------|



LRS



PRS



RINA



RMRS



DNVGL.COM/AF

[Miscellaneous](#)

| |
|-------|
| other |
|-------|

[Confirmation](#)

| |
|---------------------|
| Further information |
|---------------------|

Information- and Downloadcenter (Catalogs, Brochures,...)

www.siemens.com/sirius/catalogs

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RU1116-0HB0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RU1116-0HB0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RU1116-0HB0>

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

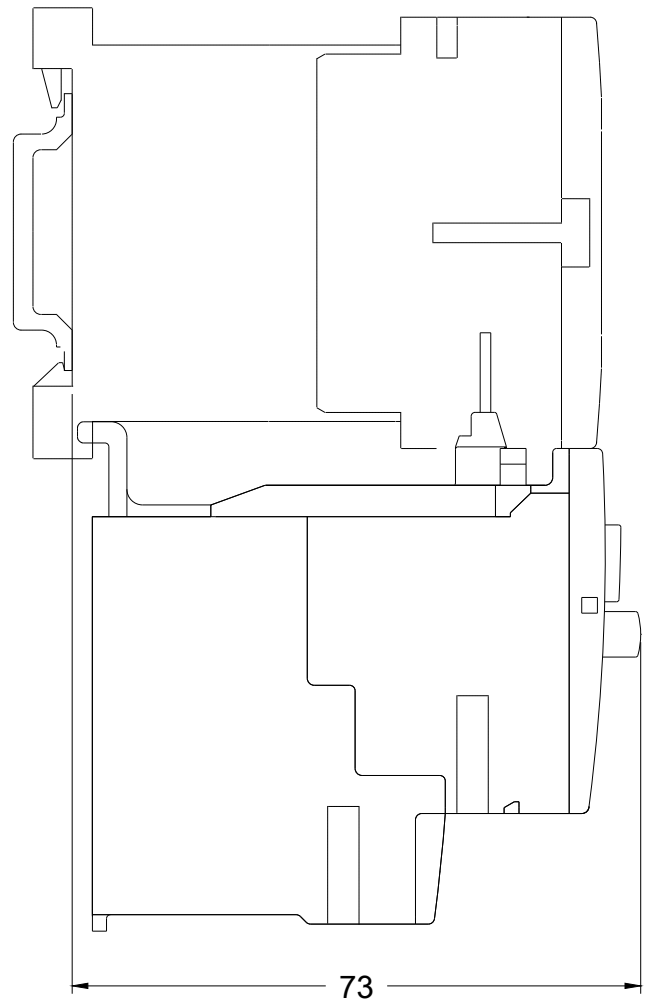
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RU1116-0HB0&lang=en

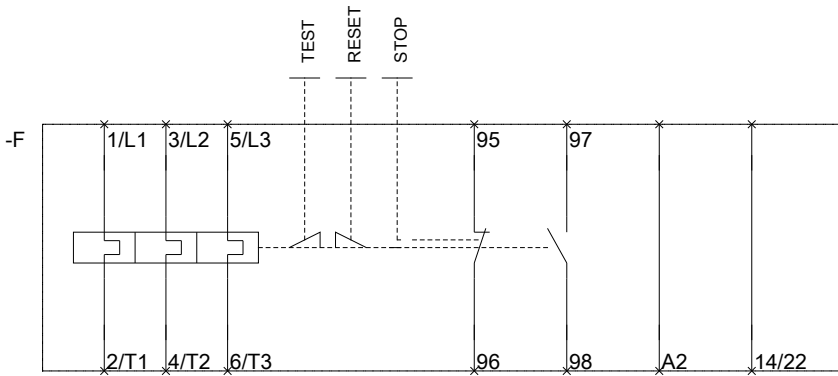
Characteristic: Tripping characteristics, I²t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RU1116-0HB0/char>

Further characteristics (e.g. electrical endurance, switching frequency)

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU1116-0HB0&objecttype=14&gridview=view1>





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