

CIRCUIT-BREAKER, 1.8...2.5 A N-RELEASE 33 A, SIZE S00
 MOTOR PROTECTION, CLASS 10, CAGE CLAMP CONNECTION
 STANDARD BREAKING CAPACITY



Figure similar

| | |
|-----------------------|----------------------|
| product brandname | SIRIUS |
| Product designation | circuit breaker |
| Design of the product | for motor protection |

General technical data

| | |
|--|-------------|
| Product extension | |
| • Auxiliary switch | Yes |
| Power loss [W] total typical | 6 W |
| Surge voltage resistance rated value | 6 000 V |
| Protection class IP | |
| • on the front | IP20 |
| Shock resistance | 25g / 11 ms |
| Mechanical service life (switching cycles) | |
| • of the main contacts typical | 100 000 |

Ambient conditions

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

| | |
|--------------------|----------------|
| • during operation | -20 ... +60 °C |
| • during storage | -50 ... +80 °C |
| • during transport | -50 ... +80 °C |

Main circuit

| | |
|---|---------------|
| Number of poles for main current circuit | 3 |
| Adjustable pick-up value current of the current-dependent overload release | 1.8 ... 2.5 A |
| Operating voltage | |
| • rated value | 690 V |
| • at AC-3 rated value maximum | 690 V |
| Operating current | |
| • at AC-3 | |
| — at 400 V rated value | 2.5 A |
| Operating power | |
| • at AC-3 | |
| — at 400 V rated value | 0.75 kW |
| Operating frequency | |
| • at AC-3 maximum | 15 1/h |

Auxiliary circuit

| | |
|------------------------------|---|
| Number of CO contacts | |
| • for auxiliary contacts | 0 |

Protective and monitoring functions

| | |
|---|----------|
| Trip class | CLASS 10 |
| Maximum short-circuit current breaking capacity (I_{cu}) | |
| • at AC at 240 V rated value | 100 kA |
| • at AC at 400 V rated value | 100 kA |
| • at AC at 500 V rated value | 10 kA |
| • at AC at 690 V rated value | 2 kA |

Short-circuit protection

| | |
|--|----------------|
| Design of the overcurrent release and short-circuit release | thermomagnetic |
|--|----------------|

Installation/ mounting/ dimensions

| | |
|------------------------------|--|
| Mounting position | any |
| Mounting type | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022 |
| Height | 90 mm |
| Width | 45 mm |
| Depth | 81 mm |
| Required spacing | |
| • with side-by-side mounting | |
| — Backwards | 0 mm |

— at the side

0 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 circuitfor auxiliary and control current circuit | spring-loaded terminals spring-loaded terminals |
| Arrangement of electrical connectors for main current circuit | front side |
| Type of connectable conductor cross-sections <ul style="list-style-type: none">for main contacts<ul style="list-style-type: none">solidfinely stranded with core end processingfinely stranded without core end processingat AWG conductors for main contacts | 2x (0.25 ... 2.5 mm ²) 2x (0.25 ... 1.5 mm ²) 2x (0.25 ... 2.5 mm ²) 2x (24 ... 14) |

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

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

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV1011-1CA20>

Cax online generator

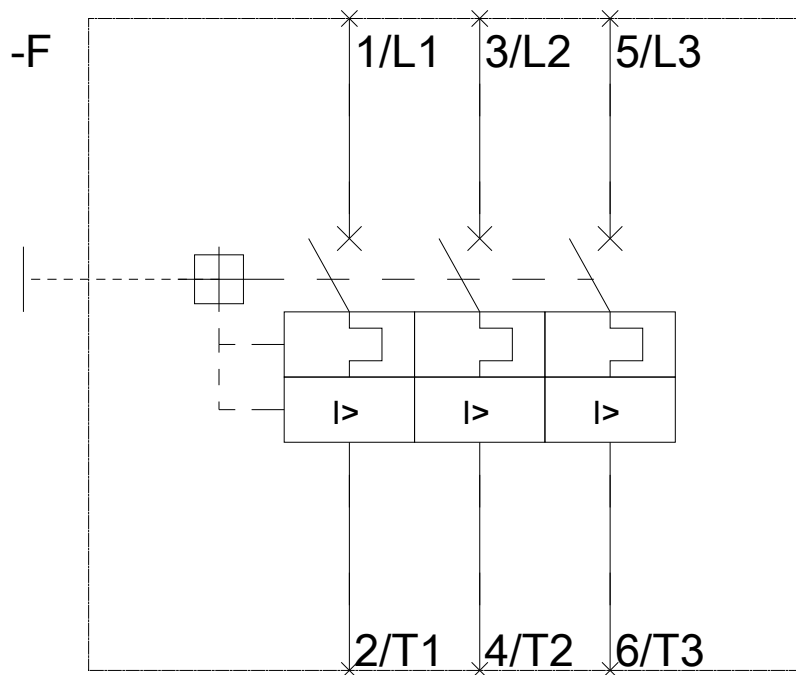
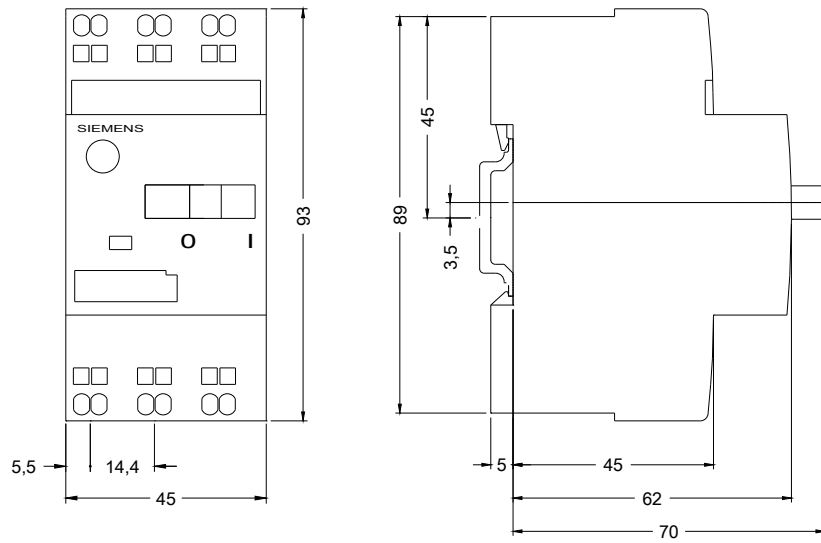
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1011-1CA20>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1CA20>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1011-1CA20&lang=en



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12/19/2016