



CIRCUIT-BREAKER 36...45 A,
N-RELEASE 585 A, SIZE S2,
MOTOR PROTECTION CLASS 10 SCREW CONNECTION
STANDARD BREAKING CAPACITY

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

| General technical data: | |
|--|-----------------|
| product brand name | SIRIUS |
| product designation | circuit breaker |
| Size of the circuit-breaker | S2 |
| Number of poles / for main current circuit | 3 |
| Product function | |
| • removable terminal for auxiliary and control circuit | No |
| • overload protection | Yes |
| • phase disturbance recognition | Yes |
| • short-circuit to earth recognition | No |
| Product component | |
| • auxiliary switch | No |
| • undervoltage release mechanism | No |
| • trip indicator | No |
| Product extension | |
| • auxiliary switch | Yes |
| • optional / motor drive | Yes |
| Impulse voltage resistance / rated value | V 6,000 |
| Protection class IP / on the front | IP20 |
| Protection against electrical shock | finger-safe |

| | | |
|---|----|-------------|
| Installation altitude / at a height over sea level / maximum | m | 2,000 |
| Resistance against shock | | 25g / 11 ms |
| Ambient temperature | | |
| • during transport | °C | -50 ... +80 |
| • during storage | °C | -50 ... +80 |
| • during operating | °C | -20 ... +70 |
| Active power loss / total / typical | W | 20 |

Main circuit:

| | | |
|---|-----|--------|
| Operating voltage / rated value | V | 690 |
| type of voltage | | AC/DC |
| Service power / at AC-3 / at 400 V / rated value | kW | 22 |
| Operating current / at AC-3 / at 400 V / rated value | A | 45 |
| Mechanical operating cycles as operating time / of the main contacts / typical | | 50,000 |
| Frequency of operation / at AC-3 / according to IEC 60947-6-2 | 1/h | 15 |

Auxiliary circuit:

| | | |
|---|--|---|
| Number of changeover contacts / for auxiliary contacts | | 0 |
|---|--|---|

Protection function:

| | | |
|--|----|-----------|
| Trip class | | CLASS 10 |
| Adjustable response current / of the current-dependent overload release | A | 36 ... 45 |
| Breaking capacity limit short-circuit current (Icu) | | |
| • at 400 V / rated value | kA | 50 |
| • at 500 V / rated value | kA | 10 |
| • at 690 V / rated value | kA | 4 |

Installation/mounting/dimensions:

| | | |
|--------------------------|----|--|
| Type of mounting | | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022 |
| mounting position | | any |
| Depth | mm | 149 |
| Height | mm | 140 |
| Width | mm | 55 |

Connections:

| | | |
|--|--|---|
| Arrangement of electrical connectors / for main current circuit | | front side |
| Design of the electrical connection | | |
| • for main current circuit | | screw-type terminals with box terminals |
| • for auxiliary and control current circuit | | screw-type terminals |
| Type of the connectable conductor cross-section | | |

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

2x (0.75 ... 16 mm²)

2x (0.75 ... 16 mm²), 0.75 ... 25 mm²

2x (0.75 ... 25 mm²), 0.75 ... 35 mm²

2x (18 ... 2), 1x (18 ... 2)

Certificates/approvals:

General Product Approval



Test Certificates

[Special Test Certificate](#)

Shipping Approval



other

[Confirmation](#)

[Declaration of Conformity](#)

[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/industrial-controls/mall>

Cax online generator:

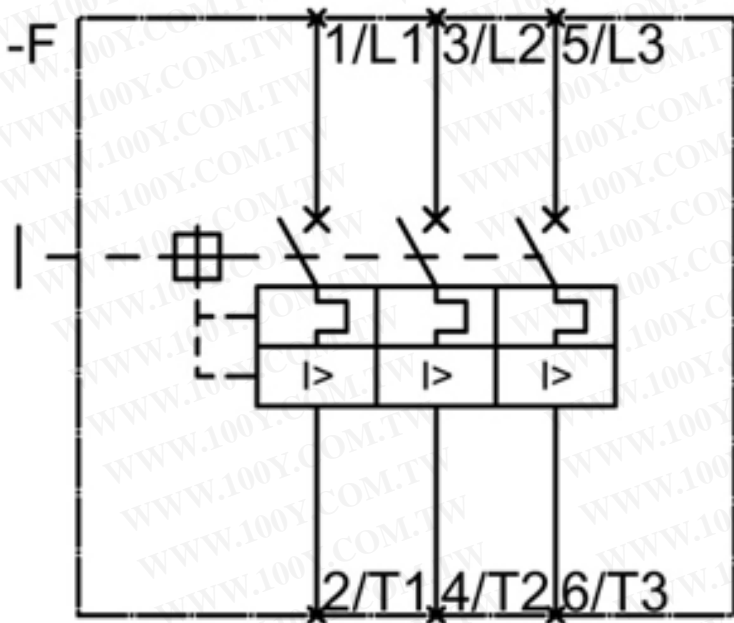
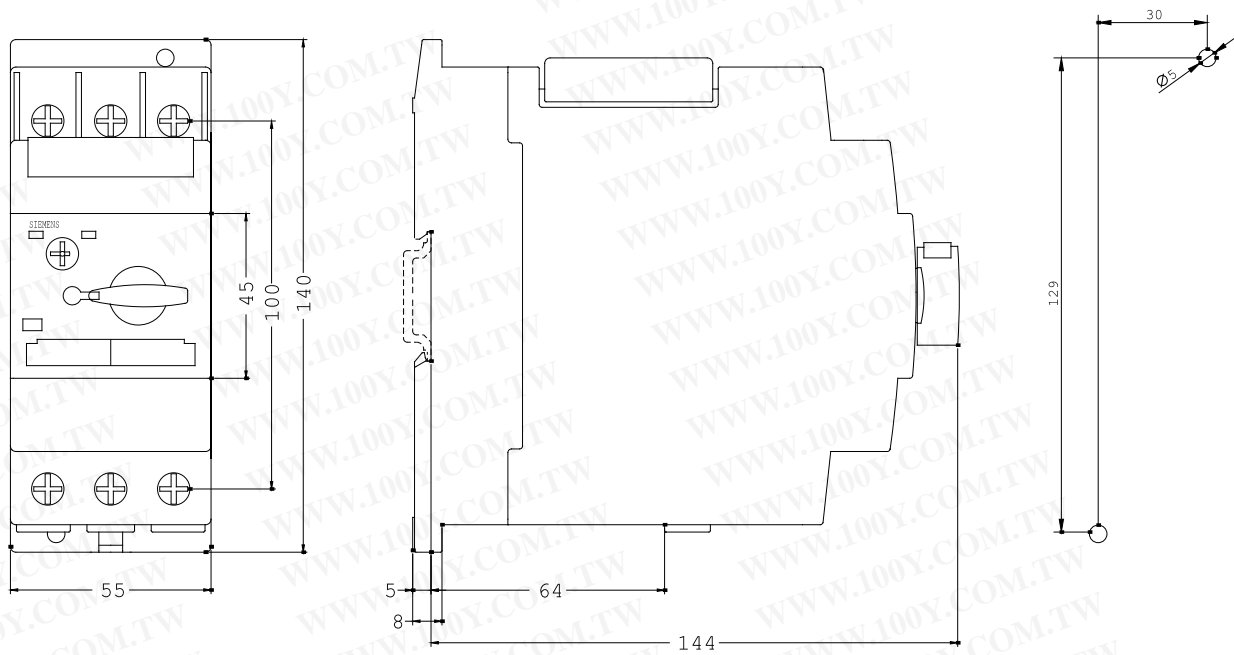
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RV1031-4GA10/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RV1031-4GA10



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last change:

Oct 28, 2013