

Circuit breaker size S2 for motor protection, Class 10 A-release 11...16 A Short-circuit release 208 A Screw terminal Standard switching capacity !!! Phased-out product !!! Successor is SIRIUS 3RV2 Preferred successor type is >>3RV2031-4TA10<<



| | |
|-----------------------|----------------------|
| Product brand name | 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 | 12 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 | 50 000 |
| Continuous current rated value | 16 A |

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 | 11 ... 16 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 | 16 A |
| Operating power | |
| • at AC-3 | |
| — at 400 V rated value | 7.5 kW |
| Operating frequency | |
| • at AC-3 maximum | 15 1/h |

Auxiliary circuit

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

Protective and monitoring functions

| | |
|--|----------|
| Product function | |
| • Ground fault detection | No |
| • Phase failure detection | Yes |
| Trip class | CLASS 10 |
| Maximum short-circuit current breaking capacity (Icu) | |
| • at AC at 240 V rated value | 100 kA |
| • at AC at 400 V rated value | 50 kA |
| • at AC at 500 V rated value | 12 kA |
| • at AC at 690 V rated value | 5 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 | 140 mm |
| Width | 55 mm |
| Depth | 149 mm |

| | |
|--|-------------------------|
| Required spacing | |
| <ul style="list-style-type: none"> • with side-by-side mounting <ul style="list-style-type: none"> — Backwards — at the side | <p>0 mm</p> <p>0 mm</p> |

Connections/Terminals

| | |
|---|---|
| Product function | No |
| <ul style="list-style-type: none"> • removable terminal for auxiliary and control circuit | |
| Type of electrical connection | <p>screw-type terminals with box terminals</p> <p>screw-type terminals</p> |
| <ul style="list-style-type: none"> • for main current circuit • for auxiliary and control current circuit | |
| 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"> — solid — stranded — finely stranded with core end processing • at AWG conductors for main contacts | <p>2x (0.75 ... 16 mm²)</p> <p>2x (0.75 ... 25 mm²), 1x (0.75 ... 35 mm²)</p> <p>2x (0.75 ... 16 mm²), 0.75 ... 25 mm²</p> <p>2x (18 ... 2), 1x (18 ... 2)</p> |

Certificates/approvals

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



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



[Special Test Certificate](#)



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



[Confirmation](#)

[Miscellaneous](#)



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=3RV1031-4AA10>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1031-4AA10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1031-4AA10>

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

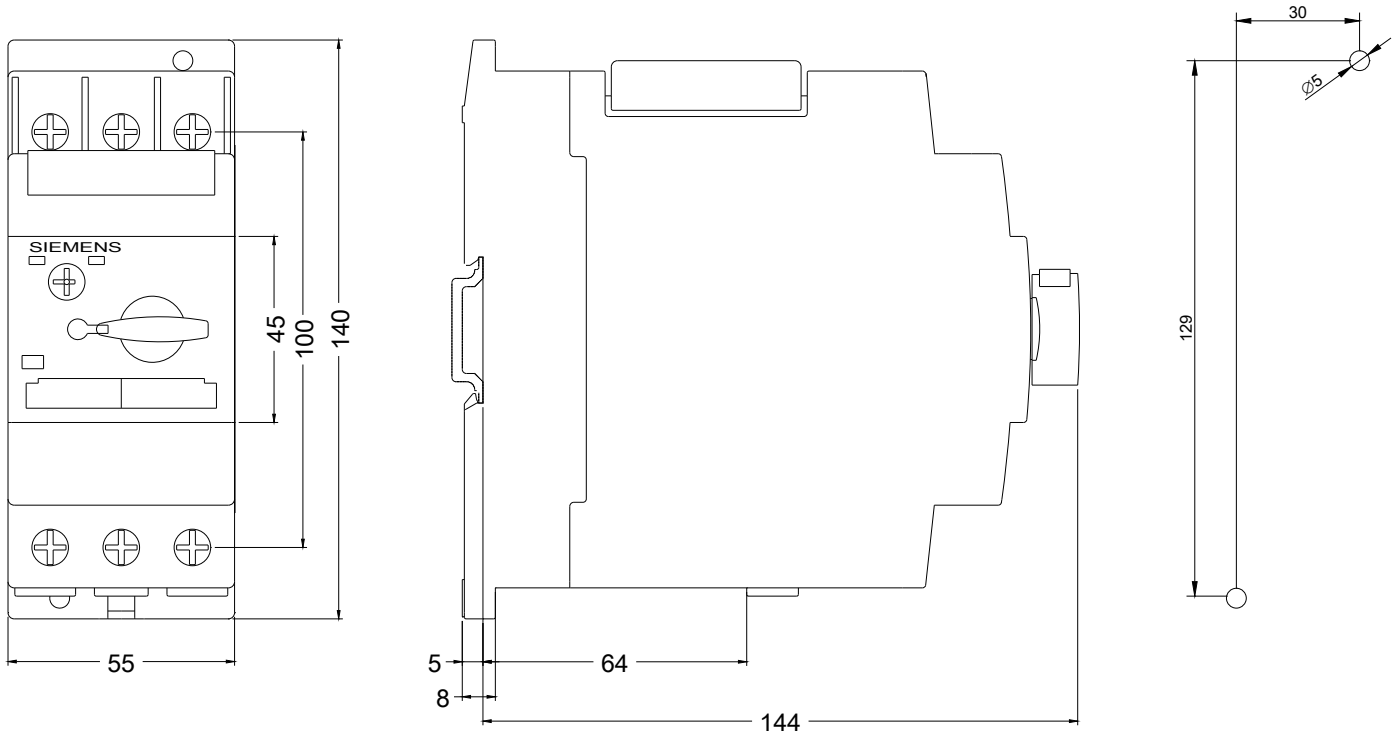
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1031-4AA10&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3RV1031-4AA10/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1031-4AA10&objecttype=14&gridview=view1>





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