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## Data sheet 3RV1011-1JA15

CIRCUIT-BREAKER SIZE S00, FOR MOTOR PROTECTION, CLASS 10, A-REL. 7...10A, N-REL. 130A, SCREW TERMINAL, STANDARD SWITCHING CAPACITY, W. TRANSV. AUX. SWITCH 1NO/1NC




Figure similar

| | |
|---|---|
| **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** | 7 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 |


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| | |
|---|---|
| • during transport | -50 ... +80 °C |
| **Main circuit:** | |
| **Adjustable pick-up value current of the current-dependent overload release** | 7 ... 10 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 | 10 A |
| **Operating power** | |
| • at AC-3 | |
| — at 400 V rated value | 4 kW |
| **Operating frequency** | |
| • at AC-3 maximum | 15 1/h |
| **Auxiliary circuit:** | |
| **Design of the auxiliary switch** | transverse |
| **Number of CO contacts** | |
| • for auxiliary contacts | 0 |
| **Operating current of auxiliary contacts at AC-15** | |
| • at 24 V | 2 A |
| • at 230 V | 0.5 A |
| **Operating current of auxiliary contacts at DC-13** | |
| • at 24 V | 1 A |
| • at 60 V | 0.15 A |
| **Protective and monitoring functions:** | |
| **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 | 3 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 |


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| | |
|---|---|
| **Depth** | 81 mm |
| **Required spacing** | |
| • with side-by-side mounting | |
| — Backwards | 0 mm |
| — at the side | 0 mm |

## Connections/ Terminals:

| | |
|---|---|
| **Product function** | |
| • removable terminal for auxiliary and control circuit | No |
| **Type of electrical connection** | |
| • for main current circuit | screw-type terminals |
| • for auxiliary and control current circuit | screw-type terminals |
| **Arrangement of electrical connectors for main current circuit** | front side |
| **Type of connectable conductor cross-sections** | |
| • for main contacts | |
| — solid | 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) |
| — stranded | 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 main contacts | 2x (18 ... 14) |
| **Type of connectable conductor cross-sections** | |
| • for auxiliary contacts | |
| — 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 (18 ... 14) |

## Certificates/approvals


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| General Product Approval | | | | For use in hazardous locations | |
|---|---|---|---|---|---|
| CCC | CSA | UL | EAC | ATEX | IECEx |

| Declaration of Conformity | Test Certificates | Shipping Approval | | | |
|---|---|---|---|---|---|
| EG-Konf. | spezielle Prüfbescheinigungen | ABS | BUREAU VERITAS | DNV | GL |

| Shipping Approval | | | | other | |
|---|---|---|---|---|---|
| LRS | PRS | RINA | RMRS | Bestätigungen | Umweltbestätigung |

| other | |
|---|---|
| sonstig | VDE |

## 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=3RV10111JA15

**Cax online generator**
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV10111JA15

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3RV10111JA15

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV10111JA15&lang=en


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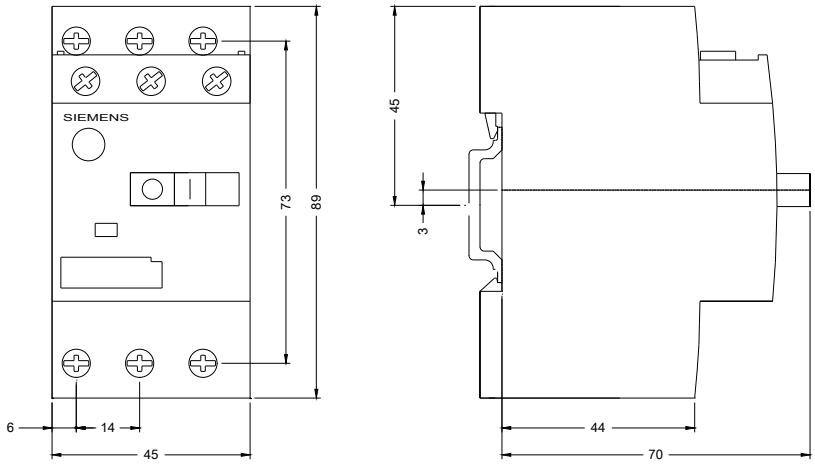


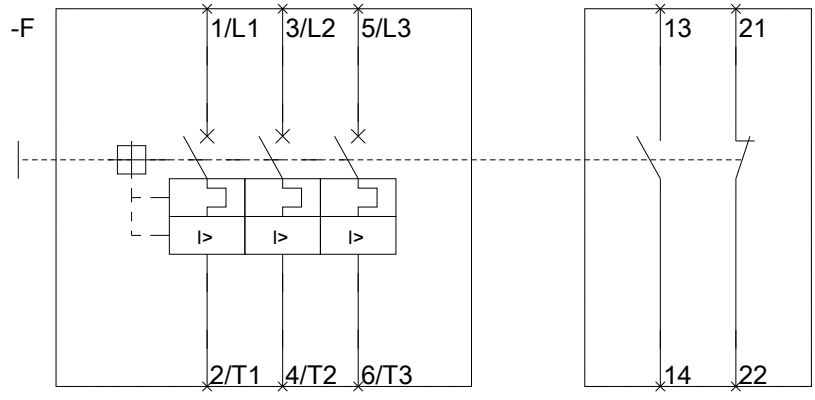


**last modified:** 01.03.2016


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