SIEMENS

Data sheet

3RU2126-4CC1



Overload relay 17...22 A Thermal For motor protection Size S0, Class 10 Standalone installation Main circuit: Spring-type terminal Auxiliary circuit: spring-type terminal Manual-Automatic-Reset

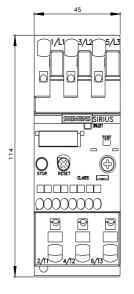
| product brand name | SIRIUS |
|--|------------------------|
| product designation | thermal overload relay |
| product type designation | 3RU2 |
| General technical data | |
| size of overload relay | SO |
| size of contactor can be combined company-specific | SO |
| power loss [W] for rated value of the current at AC in hot operating state | 8.1 W |
| • per pole | 2.7 W |
| insulation voltage with degree of pollution 3 at AC rated value | 690 V |
| surge voltage resistance rated value | 6 kV |
| maximum permissible voltage for protective separation in networks with grounded star point | |
| between auxiliary and auxiliary circuit | 440 V |
| between auxiliary and auxiliary circuit | 440 V |
| between main and auxiliary circuit | 440 V |
| between main and auxiliary circuit | 440 V |
| shock resistance according to IEC 60068-2-27 | 8g / 11 ms |
| type of protection according to ATEX directive 2014/34/EU | Ex II (2) GD |
| certificate of suitability according to ATEX directive 2014/34/EU | DMT 98 ATEX G 001 |
| reference code according to IEC 81346-2 | F |
| Substance Prohibitance (Date) | 10/01/2009 |
| Ambient conditions | |
| installation altitude at height above sea level maximum | 2 000 m |
| ambient temperature | |
| during operation | -40 +70 °C |
| during storage | -55 +80 °C |
| during transport | -55 +80 °C |
| temperature compensation | -40 +60 °C |
| relative humidity during operation | 10 95 % |
| Main circuit | |
| number of poles for main current circuit | 3 |
| adjustable current response value current of the current- dependent overload release | 17 22 A |
| operating voltage | |
| rated value | 690 V |
| • at AC-3e rated value maximum | 690 V |
| operating frequency rated value | 50 60 Hz |
| operational current rated value | 22 A |
| operational current at AC-3e at 400 V rated value | 22 A |
| operating power | |

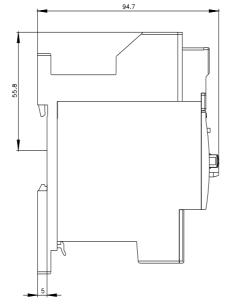
| • at AC-3 | |
|---|--|
| — at 400 V rated value | 11 kW |
| — at 500 V rated value | 11 kW |
| — at 690 V rated value | 18.5 kW |
| • at AC-3e | |
| — at 400 V rated value | 11 kW |
| — at 500 V rated value | 11 kW |
| — at 690 V rated value | 18.5 kW |
| Auxiliary circuit | |
| design of the auxiliary switch | integrated |
| number of NC contacts for auxiliary contacts | 1 |
| note | for contactor disconnection |
| number of NO contacts for auxiliary contacts | 1 |
| note | for message "Tripped" |
| number of CO contacts for auxiliary contacts | 0 |
| operational current of auxiliary contacts at AC-15 | |
| • at 24 V | 3 A |
| • at 110 V | 3 A |
| • at 120 V | 3 A |
| • at 125 V | 3 A |
| • at 230 V | 2 A |
| • at 400 V | 1 A |
| • at 690 V | 0.75 A |
| operational current of auxiliary contacts at DC-13 | |
| • at 24 V | 2 A |
| ● at 60 V | 0.3 A |
| ● at 110 V | 0.22 A |
| • at 125 V | 0.22 A |
| • at 220 V | 0.11 A |
| contact rating of auxiliary contacts according to UL | B600 / R300 |
| Protective and monitoring functions | |
| | |
| | CLASS 10 |
| trip class | CLASS 10 thermal |
| trip class design of the overload release | |
| trip class design of the overload release UL/CSA ratings | |
| trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor | thermal |
| trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value | thermal 22 A |
| trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value | thermal |
| trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection | thermal 22 A |
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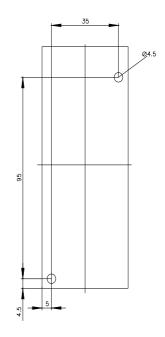
| for auxiliary conta | cts | | | | |
|--|---|---|--|-----------------------------|-----------------------|
| — solid or strar | | | 2x (0.5 2.5 mm²) | | |
| — finely stranded with core end processing | | 2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²) | | | |
| — finely strand | ed without core end proc | cessing | 2x (0.5 1.5 mm²) | | |
| for AWG cables for auxiliary contacts | | 2x (20 14) | | | |
| design of screwdriver shaft | | Diameter 3 mm | | | |
| size of the screwdriver | r tip | | 3,0 x 0,5 mm | | |
| afety related data | | | | _ | _ |
| failure rate [FIT] with low | | g to SN 31920 | 50 FIT | | |
| MTTF with high demand rate | | 2 280 a | | | |
| T1 value for proof test interval or service life according to IEC 61508 | | 20 a | | | |
| protection class IP on the front according to IEC 60529 | | IP20 | | | |
| touch protection on th | e front according to IE | C 60529 | finger-safe, for vertical contac | ct from the front | |
| isplay | | | | | |
| display version for switch | hing status | | Slide switch | | |
| ertificates/ approvals | | _ | | | |
| General Product Appr | oval | | | For use in hazardou | s locations |
| | Confirmation | \sim | | | |
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| CH | EG-Konf. | | | ABS | BUREAU |
| | EG-Konf. | | | ABS | BUREAU VERITAS |
| CA Marine / Shipping | EG-Konf. | | | ABS | BUREAU VERITAS |
| | EG-Konf. | A | | ABS | other Confirmation |
| | EG-Konf. | 6 | | ABS | |
| | EG-Konf. | PRS | RINA | ABS | |
| Marine / Shipping | Lloyd's Register | PRS | RINA | ABS | |
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| Marine / Shipping | Lloyd's Register | PRS | EINA | ABS | |
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| Marine / Shipping | Lloyd's Register | PRS | EINA | ABS | |
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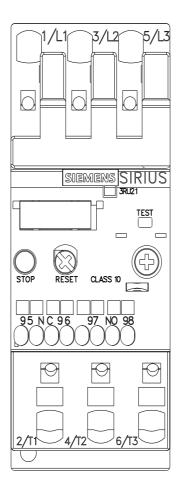
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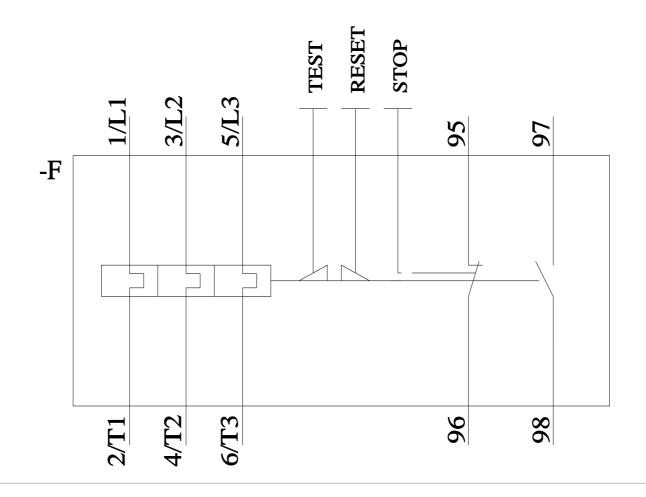
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2126-4CC1&objecttype=14&gridview=view1











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