SIEMENS

Data sheet

3RU2126-1GC0

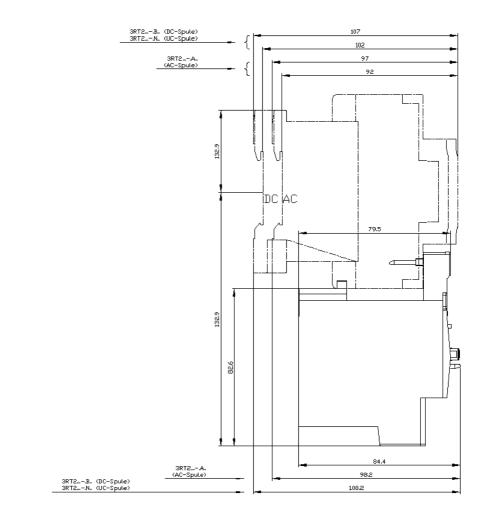


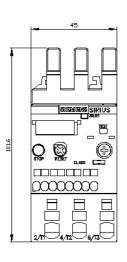
Overload relay 4.5...6.3 A Thermal For motor protection Size S0, Class 10 Contactor mounting Main circuit: Spring-type terminal Auxiliary circuit: spring-type terminal Manual-Automatic-Reset

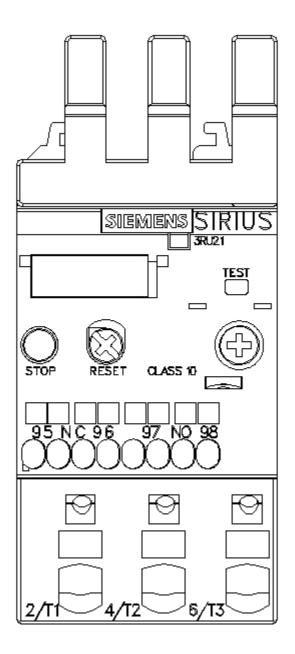
| product brand name | SIRIUS | | |
|--|------------------------|--|--|
| product designation | thermal overload relay | | |
| product type designation | 3RU2 | | |
| General technical data | | | |
| size of overload relay | S0 | | |
| size of contactor can be combined company-specific | S0 | | |
| power loss [W] for rated value of the current at AC in hot operating state | 6.6 W | | |
| • per pole | 2.2 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 safe isolation 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 acc. 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 acc. to IEC 81346-2 | F | | |
| Substance Prohibitance (Date) | 01.10.2009 00:00:00 | | |
| 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 | 4.5 6.3 A | | |
| operating voltage | | | |
| rated value | 690 V | | |
| at AC-3 rated value maximum | 690 V | | |
| operating frequency rated value | 50 60 Hz | | |

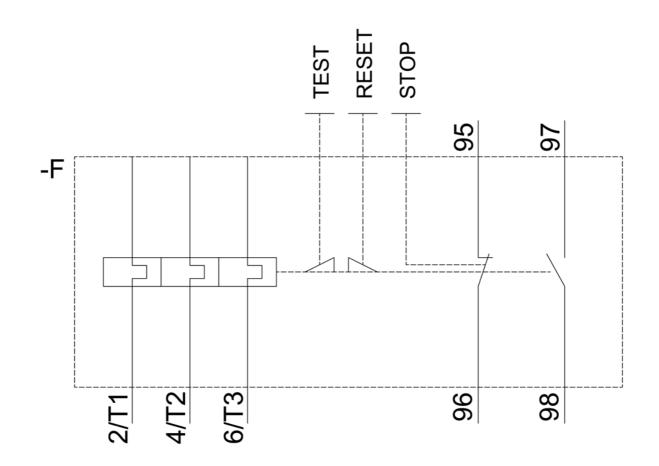
| operating power at AC-3 • at 400 V rated value • at 500 V rated value • at 680 V rated value • at 24 V • note • or 0c number of CO contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 • at 24 V • at 110 V • at 120 V • at 120 V • at 230 V • at 230 V • at 24 V • at 25 V • at 25 V • at 20 V • at 20 V • at 20 V • at 24 V • at 25 V • at 20 V • at | operational current rated value | 6.3 A |
|---|---|---------------------------|
| • # 400 v ratel value2 kW• # 400 v ratel value3 kW• # 400 v ratel value3 kW• # 400 v ratel value4 kWAuxiliary circuitintegrated• note1• note1• note100 contacts for auxiliary contacts• note0• note0 | | 0.0 A |
| • at 600 V rated value3 kW• at 600 V rated value4 kWAuitary dreat1design of the auxillary which16 protocolacts of auxillary contacts• note10 contacts of auxillary contacts• at 100 V3 A• at 120 V3 A• at 20 V0 A• at 60 V0 A• at 80 V roted value0 A• at 80 V roted value0 A• at 80 V roted value0 A• at 80 V rated value | | 2.2 1/1 |
| • at 600 V rated value 4 kW Auxillary circuit Integrated number of NC contracts for auxillary contacts 1 • note for contracts of so auxillary contacts 1 • note for message "Tripped" integrated operational current of auxiliary contacts at AC-15 3.A integrated • at 24 V 3.A 3.A • at 125 V 3.A 3.A • at 24 V 3.A 3.A • at 24 V 3.A 3.A • at 800 V 0.22.A 3.A • at 800 V 0.22.A 3.A • at 800 V 0.22.A 3.A • at 800 V rated solary contacts according to LU 8000 R300 Pottaction and monitoring functions 6.3.A • at 800 V rated value 6.3.A • at 800 V rated value | | |
| Auxiliary circuit integrated design of the auxiliary contacts 1 • note for contactor disconnection • note a • note <td< th=""><th></th><th></th></td<> | | |
| design of the auxiliary switch Inlegrated number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of CO contacts for auxiliary contacts 0 operational current of auxiliary contacts at AC-15 3.A • at 120 V 3.A • at 24 V 3.A • at 25 V 3.A • at 26 V 0.3 A • at 26 V 0.3 A • at 27 V 0.222 A • at 28 V 0.11A • at 28 V 0.222 A • at 28 V 0.222 A • at 20 V 0.11A • at 800 V rated value 6.3 A | | 4 KVV |
| number of NC contacts for auxiliary contacts 1 • nob for contactor disconnection number of OC contacts for auxiliary contacts 1 • nob for massage "Tipped" number of OC contacts for auxiliary contacts at AC-15 3 • at 24 V 3A • at 110 V 3A • at 120 V 2A • at 120 V 03A • at 120 V 0.3A • at 120 V 0.3A • at 120 V 0.22A • at 120 V 0.22A • at 120 V 0.22A • at 120 V 0.23A Inprotater at 10 of axaliary contacts according to UL <th></th> <td>internated</td> | | internated |
| • Inde for contacts for auxiliary contacts for message "Tripped" • note for message "Tripped" 0 • note 0 0 0 <th></th> <td>-</td> | | - |
| number of NO contacts for auxiliary contacts 1 incide for message "Tripped" number of CO contacts for auxiliary contacts at AC-15 3 i=124V 3A i=124V 2A i=125V 3A i=1220V 3A i=122V 032A i=1220V 032A filload current (FLA) for 3-phase AC motor 6.3A i=1430V rade value 6.3A if of rade value 6.3A if of | - | |
| ordefor message "Tripped"number of CO contacts for auxiliary contacts a0operational current of auxiliary contacts at AC-150• 12 A V3 A• 11 20 V3 A• 11 20 V3 A• 11 20 V3 A• 11 20 V2 A• 11 20 V2 A• 11 20 V2 A• 11 21 V2 A• 11 22 V2 A• 11 24 V2 A• 11 25 V3 A• 11 20 V0 3 A• 11 20 V0 22 A• 12 20 V0 11 AContact rating of auxiliary contacts according to ULBrotecher and nontoring functionstrip classCLASS 10design of the overload releaseUC/GSA ratide value6.3 A• 16 40 V rated value6.3 A• 16 40 V rated value6.3 A• 16 40 V rated value6.3 A• 16 10 V rated value94 mm• 16 10 V rated value94 mm• 16 10 V rated value94 mm• 16 10 V rated val | | |
| number of CO contacts for auxiliary contacts at AC-15 a • • • • • • • • • • • • • • • • • • • | - | |
| operational current of auxiliary contacts at AC-15 3 A • et 129 V 3 A • et 120 V 3 A • et 230 V 2 A • et 24 V 2 A • et 20 V 1 A operational current of auxiliary contacts at DC-13 2 A • et 24 V 2 A • et 24 V 0 3 A • et 10 V 0 3 A • et 10 V 0 22 A • et 10 V 0 22 A • et 10 V 0 22 A • et 20 V 0 11 A contact rating of auxiliary contacts according to UL B600 / R300 Protective and functions (LASS 10 design of the overload release (bremal U/C/SA ratings (LASS 10 full-lead current (FLA) for 3-phase AC motor 6.3 A • at 800 V rated value 6.3 A Short-circuit protection of the auxiliary switch required 6.3 A installator/ mounting Contactor mounting Installator/ mounting dimansions mounting contacto accurd | | |
| • at 24 V3 A• at 110 V3 A• at 120 V3 A• at 120 V3 A• at 220 V2 A• at 400 V1 Aoperational current of auxiliary contacts at DC-132 A• at 24 V2 A• at 24 V2 A• at 24 V0.3 A• at 125 V0.22 A• at 126 V0.22 A• at 126 V0.22 A• at 127 V0.22 A• at 126 V0.22 A• at 126 V0.22 A• at 126 V0.22 A• at 220 V0.01 Acontact rating of auxiliary contacts according to ULB600 / R300Protective and monitoring functions0.10 AULCSA ratingsCLASS 10design of the overload releasethermalULCSA ratingsCLASS 10 Adesign of the overload releasethermalULCSA ratingsCLASS 10 Adesign of the true link6.3 A• for short-cicul protection of the auxiliary switch reguriedfuse gG: 6 A, quick: 10 Areguriedfuse gG: 6 A, quick: 10 AreguriedContactor mountingInstallation mounting obstionanyfastening methodAd 5 mmdeight40 mmdeight40 mmdeight5 mmwidth45 mmdepth64 mmormactiones (cruitspring-loaded terminalsi for auxiliary and control circuitspring-loaded terminals• for auxiliary and control circuitspring-loaded terminals <td< th=""><th></th><td>0</td></td<> | | 0 |
| • at 110 V3 A• at 120 V3 A• at 120 V3 A• at 230 V2 A• at 400 V1 Aoperational current of auxiliary contacts at DC-132 A• at 80 V2 A• at 80 V2 A• at 80 V2 A• at 10 V0.3 A• at 10 V0.22 A• at 125 V0.22 A• at 125 V0.22 A• at 220 V0.11 Acontact rating of auxiliary contacts according to ULB600 / R300Protective and monitoring functionsthermaltrip classCLASS 10trip classCLASS 10design of the overload releasethermalU/CSA ratings6.3 Afull-load current (FLA) for 3-phase AC motor• at 480 V rated value6.3 A• at 800 V rated value6.3 A• at 800 V rated value6.3 AShort-circuit protection of the auxiliary switch requiredregurdedContactor mountingfastening methodContactor mountingheight102 mmwidth44 mmConnactions/ Terminalsproduct component removable terminal for auxiliary and contol circuitspring-loaded terminals• for anio current circuit• for anio current or circuit• for anio contactor• for anio | | 3 Δ |
| • at 120 V3 A• at 125 V3 A• at 230 V3 A• at 400 V1 Aoperational current of auxiliary contacts at DC-132 A• at 24 V2 A• at 60 V0.5 A• at 110 V0.22 A• at 125 V0.22 A• at 126 V0.22 A• at 126 V0.22 A• at 126 V0.22 A• at 220 V0.22 A• at 400 V rating functions0.00 / R300Protective and monitoring functions0.00 / R300ULICSA ratingsCLASS 10design of the overload release0.00 / R300ULICSA ratings0.00 / R300Hold ad current (FLA) for 3-phase AC motor0.3 A• at 400 V rated value6.3 A• at 600 V rated value6.3 A• for short-ficitul protection of the auxiliary switch reguidedfuse gG: 6 A, quick: 10 Areguided102 rmInstallation/ mounting/ dimensionsmounting positionfastening method102 rmheight102 rmwidth45 mm4 de mm94 mmconnections/ Terminalsspring-loaded terminalswidth dig and control circuitspring-loaded terminals• for anal current foralspring-loaded terminals• for main current diroutspring-loaded terminals• for main current oricuitspring-loaded terminals• for main cu | | |
| • at 125 V3 A• at 230 V2 A• at 240 V1 Aoperational current of auxiliary contacts at DC-132 A• at 24 V2 A• at 24 V0.3 A• at 100 V0.22 A• at 125 V0.22 A• at 220 V0.11 Acontact rating of auxiliary contacts according to ULBB00 / R300Protective and monitoring functionsEt ASS 10trip classCLASS 10design of the overload roleasethermalU/CSA ratingsEt ASS 10full-dad current (FLA) for 3-phase AC motor • at 480 V rated value6.3 A• at 480 V rated value6.3 A• at 600 V rated value6.3 A• at 600 V rated value6.3 A• for short-circuit protection of the auxiliary switch requiredfuse gG: 6 A, quick: 10 AInstallation/mounting/ dimensionsfuse gG: 6 A, quick: 10 Amounting positionanyfastening methodContactor mountingheight48 mmConnections/ Terminalsspring-loaded terminalsof or auxiliary and control circuitspring-loaded terminals• for auxiliary and c | | |
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| • at 400 V1 Aoperational current of auxiliary contacts at DC-132 A• at 24 V2 A• at 80 V0.3 A• at 10 V0.22 A• at 125 V0.22 A• at 220 V0.11 Acontact rating of auxiliary contacts according to ULB600 / R300Protective and monitoring functionsB600 / R300trip classCLASS 10design of the overload releasethermalU/CSA ratingsU/CSA ratingfull-load current (FLA) for 3-phase AC motor6.3 A• at 400 V rated value6.3 A• at 400 V rated value6.3 A• at 600 V rated value6.3 A• for short-circuit protection of the auxiliary switch requiredfuse gG: 6 A, quick: 10 Afirstening methodanyfastening methodSomeheight020 mmdegth84 mmConnections/ Tarminalsspring-loaded terminalsproduct component removable terminal for auxiliaryNofor auxiliary and control circuitspring-loaded terminals• for auxiliary and contro | | |
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| • at 24 V 2 A • at 60 V 0.3 A • at 10 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 E600 / R300 Itrip class CLASS 10 design of the overload release thermal UU/CSA ratings full-load current (FLA) for 3-phase AC motor • at 400 V rated value 6.3 A • at 600 V rated value 6.3 A • for short-circuit protection Gesign of the fuse link • for short-circuit protection of the auxiliary switch required fuse gG: 6 A, quick: 10 A Installation/mounting/ dimensions fuse gG: 6 A, quick: 10 A mounting position any fastening method Contactor mounting height 102 mm width 45 mm Connections/ Terminals spring-loaded terminals • for auxiliary and control circuit spring-loaded terminals • for auxiliary and control circuit spring-loaded terminals • for main current circuit spring-loaded terminals • for main current circuit spring-loaded terminals • for main cuntacts fx (1 0 mr ⁰) • for main cuntacts <td< th=""><th></th><td></td></td<> | | |
| • at 60 V0.3 A• at 110 V0.22 A• at 220 V0.11 Acontact rating of auxiliary contacts according to UL0.20 / R300Protective and monitoring functionstrip classclassCLASS 10design of the overload releasethermalUL/CSA ratings1full-load current (FLA) for 3-phase AC motor6.3 A• at 480 V rated value6.3 A• at 600 V rated value6.3 A• at 600 V rated value6.3 A• at 600 V rated value6.3 A• for short-circuit protectiondesign of the fuse link• for short-circuit protection of the auxiliary switch requiredfuse gC: 6 A, quick: 10 AInstallation/ mounting/ dimensionsanymounting positionanyfastening methodContactor mountingheight102 mmwidth45 mmdepth84 mmConnactional Terminalsproduct component removable terminal for auxiliaryof or auxiliary and control circuitspring-loaded terminals• for auxiliary and control circuitspring-loaded terminals• for main current circuitspring-loaded terminals• for main contactsix (1 10 mm²)• for main contactsix (1 6 mm²)• for auxiliary co | | 2 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 design of the overload release thermal UL/05A ratings 6.3 A • at 400 V rated value 6.3 A • at 600 V rated value 6.3 A • at 600 V rated value 6.3 A • for short-circuit protection 6.3 A design of the fuse link fuse gG: 6 A, quick: 10 A required Contactor mounting Installation/ mounting/ dimensions Contactor mounting mounting position any Connectional/ Torminals Contactor mounting width 45 mm depth 24 mm Connectional/ Torminals spring-loaded terminals of or auxiliary and contol circuit spring-loaded terminals of or auxiliary and contol circuit spring-loaded terminals of or auxiliary and contor cores-sections in fuely stranded with core end processing • for main contacts 1x (110 mm ²) it, 1 6 mm ²) 1x (16 mm ²) it, 0 6 mm ²) 1x (16 mm ²) it, 0 6 mm ²) 1x (16 mm ²) | | |
| • at 125 V0.22 A• at 220 V0.11 Acontact rating of auxiliary contacts according to ULB600 / R300Protective and monitoring functionsCLASS 10trip classCLASS 10design of the overload releasethermalU/CSA ratingsU/CSA ratingsfull-load current (FLA) for 3-phase AC motor6.3 A• at 480 V rated value6.3 A• at 480 V rated value6.3 A• at 480 V rated value6.3 A• for short-circuit protectionfuse gG: 6 A, quick: 10 ArequiredContactor mountingInstallation/ mounting/ dimensionsanymounting positionanyfastening methodContactor mountingheight102 mmVidth45 mmdepth84 mmConnections/ Terminalspring-loaded terminalsproduct component removable terminal for auxiliary and control circuitNo• for auxiliary and control circuitspring-loaded terminals• for main current circuitspring-loaded terminals• for main concetorsTop and bottom• for main concetorstry (1 6 mm ²)• for waiting y and control circuitspring-loaded terminals• for auxiliary and control circuitspring-loaded terminals• for waiting y and control circuitspring-loaded terminals• for waiting and control circuitspring-loaded terminals• for waiting and control circuitspring-loaded terminals• for waiting and control circuitspring-loaded terminals <t< th=""><th></th><th></th></t<> | | |
| • at 220 V0.11 Acontact rating of auxiliary contacts according to ULB600 / R300Protective and monitoring functionsthemaltrip classCLASS 10design of the overload releasethemalUL/CSA ratingsthemalUL/CSA ratings6.3 A• at 400 V rated value6.3 A• at 600 V rated value6.3 A• at 600 V rated value6.3 A• for short-circuit protectionfuse link• for short-circuit protection of the auxiliary switch requiredfuse link• for short-circuit protection of the auxiliary switch requiredfuse link• for short-circuit protection of the auxiliary switch requiredcontactor mountingInstallation/ mounting / dimensionsanyfastening methodcontactor mountingheight02 mmwidth45 mmdepth84 mmConnections/ Terminalsspring-loaded terminalsord order circuit requiredspring-loaded terminals• for main current circuit • for main current circuit troe descrical connectors for main current circuitTop and bottom• for auxiliary and control circuit • for auxiliary and control circuitspring-loaded terminals• for fink ortsraded1x (1 10 mm²)• for auxiliary and control circuit • for auxiliary and control circuittx (1 6 mn²)• for auxiliary and control circuit • for auxiliary and control circuittx (1 6 mn²)• for auxiliary and control circuit • for auxiliary and control circuittx (1 6 mn²) | | |
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| Protective and monitoring functions CLASS 10 trip class CLASS 10 design of the overload release thermal U/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 6.3 A • at 600 V rated value 6.3 A • at 600 V rated value 6.3 A Short-circuit protection tuse gG: 6 A, quick: 10 A design of the fuse link for short-circuit protection of the auxiliary switch required fastening method Contactor mounting height 102 mm width 45 mm depth 84 mm Connections/ Terminals product component removable terminal for auxiliary and control circuit spring-loaded terminals spring-loaded terminals of or auxiliary and control circuit spring-loaded terminals arrangement of electrical connectors for main current circuit spring-loaded terminals of or main current circuit spring-loaded terminals of or auxiliary and control circuit spring-loaded terminals of or auxiliary and control circuit spring-loaded terminals of or anin current circuit spring-loaded terminals of or auxiliary | | |
| trip class CLASS 10 design of the overload release thermal UL/CSA ratings full-load current (FLA) for 3-phase AC motor 6.3 A • at 480 V rated value 6.3 A • at 600 V rated value 6.3 A • at 600 V rated value 6.3 A • of or short-circuit protection fuse gG: 6 A, quick: 10 A required fuse gG: 6 A, quick: 10 A required fuse gG: 6 A, quick: 10 A required fuse gG: 6 A, quick: 10 A fastening method Contactor mounting height 102 mm width 45 mm depth 84 mm Connections/ Terminals product component removable terminal for auxiliary and control circuit of or auxiliary and control circuit spring-loaded terminals • for auxiliary and control circuit spring-loaded terminals • for main contracts Top and bottom • for main contacts 1x (1 10 mm²) • for did or stranded 1x (1 6 mm²) • at AWG cables for main contacts 1x (1 8) • for auxiliary contacts 1x (1 8) | | |
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