SIEMENS

Product data sheet

3RU1126-1FB0



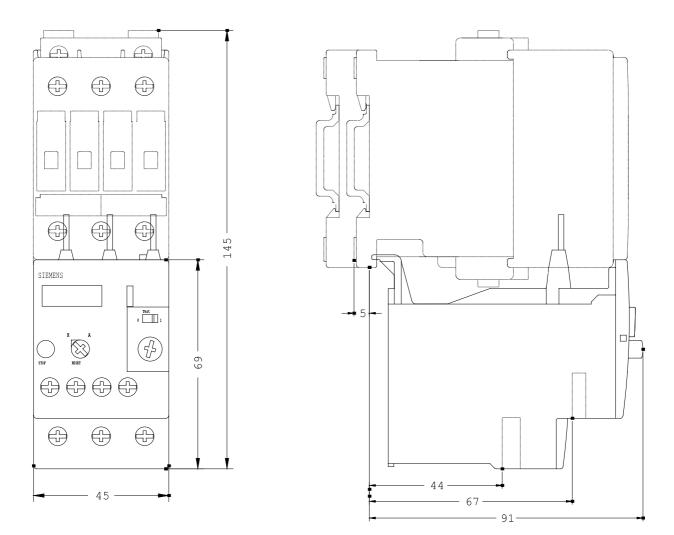
General technical details:

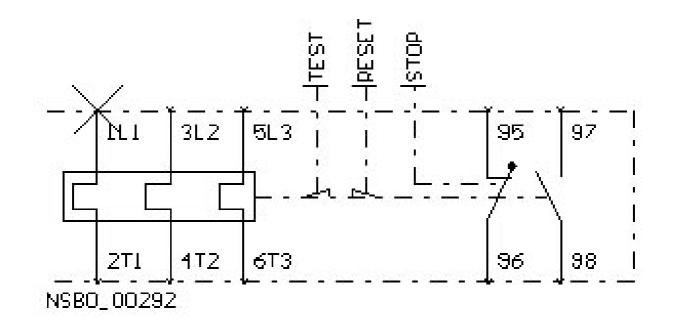
| General technical details: | | |
|--|----|------------------------|
| Product brand name | | SIRIUS |
| Product designation | | thermal overload relay |
| Protection class IP / frontal/front side | | IP20 |
| Insulation voltage / with degree of pollution 3 / rated value | V | 690 |
| Altitude of installation site / at a height over sea level / maximum | m | 2,000 |
| Ambient temperature | | |
| during the operating phase | °C | -20 70 |
| during storage | °C | -55 80 |
| during transport | °C | -55 80 |
| Relative humidity / during the operating phase / maximum | % | 100 |
| Resistance against shock | | 8g / 10 ms |
| Impulse voltage resistance / rated value | kV | 6 |
| Real loss power / total / typical | W | 6 |
| Item designation | | |
| according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 | | F |
| according to DIN EN 61346-2 | | F |
| Operating current / of the fuse link / rated value | А | 20 |
| Trip class | | CLASS 10 |

| Type of protectionDMT 98 ATEX G 001Size of overload relayS0Size of the contractor / can be combined / company-specificS0Protection against electrical shockImger safeMain circuit:3Number of poles / for main current circuit3Operating voltage / at 3 AC / rated valueImger safe• maximumVService power / at AC-3V• at 400 VKW- st 400 VKWAdjustable response currentImger safe• of the current-dependent overload releaseA- st 400 VKW- st 400 VImger safe- st 400 VKWAdjustable response currentImger safe• of the current-dependent overload releaseA- st 400 VImger safeAdjustable response currentImger safe• of the current-dependent overload releaseA- st 400 VImger safeDertact reliability / of the auxiliary contactsImger safe- st 100 VImger safe- st 24VA- st 120 VA- st 120 VA <trr>-</trr> | Type of assignement | | 2 | |
|--|---|--|---|--|
| Size of the contactor / can be combined / company-specific S0 Protection against electrical shock finger-safe Main circuit: 3 Number of poles / for main current circuit 3 Operating voltage / at 3 AC / rated value s • maximum V B90 Sorvice power / at AC-3 W B90 • at 00 V 1.5 Adjustable response current • of the current-dependent overload release A 3.5 5 Auxiliary circuit: acceptability for PLC control (17 V, 5 mA) Number of NC contacts 1 1 Number of NC contacts 1 1 • at 24 V A 3 • at 120 V A 1 | Type of protection | | DMT 98 ATEX G 001 | |
| Protection against electrical shock imger-safe Main circuit: 3 Number of poles / for main current circuit 3 Operating voltage / at 3 AC / rated value - • maximum V 690 Service power / at AC-3 - • at 400 V KW 1.5 Adjustable response current - • of the current-dependent overload release A 3.5 5 Auxiliary circuit: - acceptability for PLC control (17 V, 5 mA) Number of NC contacts 1 1 Number of Contacts 1 1 Number of NC contacts 1 1 Number of Contacts - 1 Number of NC contacts 0 0 Operating current / of the auxiliary contacts / at AC-15 - • at 24V A 3 • at 24V A 3 • at 24V A 3 • at 20V A 3 • at 21V A 2 • at 21V A 2 • at 22V A 0.22 • at 230 V A <td< th=""><th>Size of overload relay</th><th>_</th><th>SO</th></td<> | Size of overload relay | _ | SO | |
| Name of poles / for main current circuit 3 Operating voltage / at 3 AC / rated value - • maximum V 690 Service power / at AC-3 - • at 400 V KW 1.5 Adjustable response current - - • of the current-dependent overload release A 3.5 5 Auxilary circuit: - - Contact reliability / of the auxiliary contacts - acceptability for PLC control (17 V, 5 mA) Number of NC contacts 1 1 Number of NC contacts - 1 Number of ND contacts - 1 • at 24 V A 3 • at 10 V A 3 • at 24 V A 3 • at 24 V A 3 • at 20 V A 3 • at 400 V A 3 • at 400 V A 1 • at 24V A 2 • at 24V A 2 • at 24V A 2 <th>Size of the contactor / can be combined / company-specific</th> <th></th> <th>SO</th> | Size of the contactor / can be combined / company-specific | | SO | |
| Number of poles / for main current circuit 3 Operating voltage / at 3 AC / rated value V 680 • maximum V 680 Service power / at AC-3 KW 1.5 • al 400 V KW 1.5 Adjustable response current A 3.5 5 • of the current-dependent overload release A 3.5 5 Auxiliary circuit: Contacts 1 Contacts 1 1 Number of NC contacts 0 0 Operating current / of the auxiliary contacts / at AC-15 1 1 • at 24V AA 3 3 • at 110 V AA 3 3 • at 125 V AA 3 3 • at 120 V AA 1 1 • at 24V AA 3 3 • at 120 V AA 3 3 • at 120 V AA 1 3 • at 24 V AA 1 3 • at 125 V AA 1 </th <th>Protection against electrical shock</th> <th></th> <th>finger-safe</th> | Protection against electrical shock | | finger-safe | |
| Operating voltage / at 3 AC / rated value V 650 • maximum V 650 Service power / at AC-3 KW 1.5 • at 400 V KW 1.5 Adjustable response current KW 3.55 • of the current-dependent overload release A 3.55 Aviiliary circuit: Contact reliability / of the auxiliary contacts I Number of NC contacts I 1 Number of Change-over switches 0 0 Operating current / of the auxiliary contacts / at AC-15 I I • at 100 V AA 3 - • at 24 V AA 3 - • at 20 V AA 3 - • at 100 V AA 3 - • at 20 V AA 1 - • at 24 V AA 1 - • at 20 V AA 1 - • at 102 V AA 1 - • at 22 V AA 1 - | Main circuit: | | | |
| • maximumV690Service power / at AC-3 • at 400 VKW1.5Adjustable response current • of the current-dependent overload releaseA3.55Autiliary circuit:Aacceptability for PLC control (17 V, 5 mA)Number of NC contacts11Number of NC contacts11Number of hd auxiliary contacts / A31Number of hd auxiliary contacts / A00Operating current / of the auxiliary contacts / at AC-15 • at 24 VA3• at 120 VAA3• at 230 VAA3• at 24 VAA3• at 24 VAA3• at 20 VAA1• at 24 VAA3• at 25 VAA3• at 20 VAA1• at 20 VAA0.22• at 20 VAA0.22• at 20 VAA0.11• at 20 VAA0.11< | Number of poles / for main current circuit | | 3 | |
| Service power / at AC-3 Mathematical and the second of the second of the current dependent overfoad release Mathematical and the second of th | Operating voltage / at 3 AC / rated value | | | |
| • at 400 VKW1.5Adjustable response current • of the current-dependent overload releaseA3.5 5Auxiliary circuit:A3.5 5Contact reliability / of the auxiliary contactsAacceptability for PLC control (17 V, 5 mA)Number of NC contactsI1Number of NC contactsI0Operating current / of the auxiliary contacts / at AC-150• at 24 VA3• at 10 VA3• at 120 VA3• at 230 VA2• at 20 VA1• at 20 VA1Start 10 VA0.22• at 20 VA1• at 20 VA1• at 20 VA1• at 20 VA1• at 20 VA0.22• at 20 VA0.22• at 20 VA0.22• at 20 VA0.22• at 20 VA0.11Stort-circuitEEExiliarion/mounting/filmensions:Ive gL/gG: 6 A, quick: 10 AInstallation/mounting/filmensions:with vertical mounting surface +/-135* rotatable, with vertical mounting surface +/-45* tittable to the front and back | • maximum | V | 690 | |
| Adjustable response current A A • of the current-dependent overload release A 3.5 5 Auxillary circuit: acceptability for PLC control (17 V, 5 mA) Number of NC contacts 1 Number of NC contacts 1 Number of NC contacts 0 Operating current / of the auxiliary contacts / at AC-15 0 • at 24 V A 3 • at 10 V A 3 • at 20 V A 3 • at 20 V A 2 • at 230 V A 2 • at 230 V A 1 • at 24 V A 0.22 • at 20 V A 1 • at 20 V A 2 • at 20 V A 2 • at 20 V A 1 • at 20 V A 0.22 • at 20 V A 0.22 • at 20 V A 0.22 • at 20 V A 0.11 • at 20 V A 0.11 • at 20 V A 0.11 stat 20 V <td>Service power / at AC-3</td> <td></td> <td></td> | Service power / at AC-3 | | | |
| A3.5 5Auxiliary circuit:acceptability for PLC control (17 V, 5 mA)Number of NC contacts1Number of NC contacts1Number of NC contacts1Number of NG contacts1Number of ndage-over switches0Operating current / of the auxiliary contacts / at AC-15-• at 24 VA3• at 210 VA3• at 25 VA3• at 24 VA3• at 25 VA3• at 25 VA3• at 24 VA1• at 24 VA1• at 25 VA3• at 24 VA1• at 25 VA0.22• at 24 VA1• at 24 VA1• at 25 VA0.22• at 24 VA0.22• at 25 VA0.24• at 25 VA <th>• at 400 V</th> <th>kW</th> <th>1.5</th> | • at 400 V | kW | 1.5 | |
| Auxiliary circuit: acceptability for PLC control (17 V, 5 mA) Number of NC contacts 1 Number of NC contacts 1 Number of NC contacts 1 Number of Nage-over switches 0 Operating current / of the auxiliary contacts / at AC-15 - • at 24 V A 3 • at 10 V A 3 • at 20 V A 3 • at 20 V A 3 • at 20 V A 1 • at 20 V A 3 • at 20 V A 1 • at 20 V A 3 • at 20 V A 1 • at 24 V A 0.22 • at 25 V A 0.22 • at 20 V A 0.11 Short-circuit Inse gL/gG: 6 A, quick: 10 A auxiliary switch / required Inse gL/gG: 6 A, quick: 10 | Adjustable response current | | | |
| Contact reliability / of the auxiliary contactsacceptability for PLC control (17 V, 5 mA)Number of NC contacts1Number of NO contacts0Operating current / of the auxiliary contacts / at AC-150• at 24 VA3• at 110 VA3• at 120 VA3• at 230 VA2• at 24 VA1• at 20 VA1• at 20 VA1Operating current / of the auxiliary contacts / at DC-13-• at 20 VA1• at 24 VA0.22• at 24 VA0.11• at 25 VA0.22• at 20 VA0.11Installation/mouting/dimensions:Installation/mouting/dimensions:Installation/mouting/dimensions:List In orientationbuilt in orientationwith vertical mounting surface +/-135° rotatable, with vertical mounting surface +/-45° titable to the front and back | • of the current-dependent overload release | А | 3.5 5 | |
| Number of NC contactsINumber of NO contactsINumber of change-over switches0Operating current / of the auxiliary contacts / at AC-15I• at 24 VA3• at 10 VA3• at 120 VA3• at 120 VA3• at 230 VA2• at 400 VA1Operating current / of the auxiliary contacts / at DC-13I• at 24 VA0.22• at 25 VA0.22• at 26 VA0.22• at 27 VA0.22• at 28 VA0.22• at 29 VA0.11Ensign of the fuse link / for short-circuit protection of the auxiliary switch / requiredInstallation/mounting/dimensions:Listallation/mounting/dimensions:Listallation/mounting surface +/-135" rotatable, with vertical mounting surface +/-145" titlable to the front and back | Auxiliary circuit: | | | |
| Number of NO contacts1Number of change-over switches0Operating current / of the auxiliary contacts / at AC-15-• at 24 VA3• at 10 VA3• at 120 VA3• at 125 VA3• at 230 VA2• at 00 VA1Operating current / of the auxiliary contacts / at DC-13-• at 24 VA1• at 25 VA0.22• at 24 VA0.22• at 24 VA0.22• at 25 VA0.11Short-circuitDesign of the fuse link / for short-circuit protection of the auxiliary switch / requiredInstallation/mounting/dimensions:built in orientationbuilt in orientationwith vertical mounting surface +/-45° tiltable to the front and back | Contact reliability / of the auxiliary contacts | | acceptability for PLC control (17 V, 5 mA) | |
| Number of change-over switches0Operating current / of the auxiliary contacts / at AC-15I• at 24 VA3• at 24 VA3• at 110 VA3• at 120 VA3• at 125 VA3• at 230 VA2• at 400 VA1Operating current / of the auxiliary contacts / at DC-13• at 24 VA1• at 24 VA0.22• at 25 VA0.22• at 24 VA0.22• at 25 VA0.11Short-circuitInstallation/mounting/dimensions:Installation/mounting/dimensions:With vertical mounting surface +/- 45° tiltable to the front and back | Number of NC contacts | _ | 1 | |
| Operating current / of the auxiliary contacts / at AC-15A3• at 24 VA3• at 110 VA3• at 120 VA3• at 125 VA3• at 230 VA2• at 400 VA1Operating current / of the auxiliary contacts / at DC-13• at 24 VA1• at 210 VA1• at 220 VA0.22• at 110 VA0.22• at 220 VA0.11Short-circuitDesign of the fuse link / for short-circuit protection of the auxiliary switch / requiredInstallation/mounting/dimensions:built in orientationbuilt in orientationwith vertical mounting surface +/-135° rotatable, with vertical mounting surface +/-45° tiltable to the front and back | Number of NO contacts | | 1 | |
| at 24 VA3• at 110 VA3• at 120 VA3• at 125 VA3• at 230 VA2• at 400 VA1Operating current / of the auxiliary contacts / at DC-13• at 24 VA1• at 210 VA0.22• at 110 VA0.22• at 125 VA0.11• at 220 VA0.11Short-circuitDesign of the fuse link / for short-circuit protection of the auxiliary switch / requiredInstallation/mounting/dimensions:built in orientationbuilt in orientationwith vertical mounting surface +/-135° rotatable, with vertical mounting surface +/-45° tiltable to the front and back | Number of change-over switches | | 0 | |
| • at 110 VA3• at 120 VA3• at 125 VA3• at 230 VA2• at 230 VA1• at 400 VA1Operating current / of the auxiliary contacts / at DC-13• at 24 VA1• at 110 VA0.22• at 125 VA0.22• at 220 VA0.11Short-circuitDesign of the fuse link / for short-circuit protection of the auxiliary switch / requiredInstallation/mounting/dimensions:built in orientationbuilt in orientationwith vertical mounting surface +/-135° rotatable, with vertical mounting surface +/-45° tiltable to the front and back | Operating current / of the auxiliary contacts / at AC-15 | _ | | |
| • at 120 VA3• at 125 VA3• at 230 VA2• at 230 VA1• at 400 VA1Operating current / of the auxiliary contacts / at DC-13• at 24 VA1• at 24 VA0.22• at 110 VA0.22• at 125 VA0.22• at 220 VA0.11Short-circuitDesign of the fuse link / for short-circuit protection of the auxiliary switch / requiredInstallation/mounting/dimensions:Vwith vertical mounting surface +/-135° rotatable, with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/-45° tiltable to the front and back | • at 24 V | А | 3 | |
| • at 125 VA3• at 230 VA2• at 230 VA1• at 400 VA1Operating current / of the auxiliary contacts / at DC-13-• at 24 VA1• at 110 VA0.22• at 125 VA0.22• at 220 VA0.11Short-circuitDesign of the fuse link / for short-circuit protection of the auxiliary switch / requiredInstallation/mounting/dimensions:built in orientationwith vertical mounting surface +/-135° rotatable, with vertical mounting surface +/-145° tiltable to the front and back | • at 110 V | А | 3 | |
| • at 230 VA2• at 400 VA1Operating current / of the auxiliary contacts / at DC-13-• at 24 VA1• at 24 VA0.22• at 110 VA0.22• at 125 VA0.22• at 220 VA0.11Short-circuitDesign of the fuse link / for short-circuit protection of the auxiliary switch / requiredInstallation/mounting/dimensions:built in orientationwith vertical mounting surface +/-135° rotatable, with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/-45° tiltable to the front and back | • at 120 V | А | 3 | |
| • at 400 VA1Operating current / of the auxiliary contacts / at DC-13-• at 24 VA1• at 110 VA0.22• at 125 VA0.22• at 220 VA0.11Short-circuitColspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"Design of the fuse link / for short-circuit protection of the auxiliary switch / requiredIInstallation/mounting/dimensions:Duilt in orientationVith vertical mounting surface +/-135° rotatable, with vertical mounting surface +/-45° tiltable to the front and back | • at 125 V | А | 3 | |
| Operating current / of the auxiliary contacts / at DC-13A1• at 24 VA1• at 24 VA0.22• at 110 VA0.22• at 125 VA0.22• at 220 VA0.11Short-circuitDesign of the fuse link / for short-circuit protection of the auxiliary switch / requiredfuse gL/gG: 6 A, quick: 10 AInstallation/mounting/dimensions:built in orientationwith vertical mounting surface +/-135° rotatable, with vertical mounting surface +/-45° tiltable to the front and back | • at 230 V | А | 2 | |
| • at 24 VA1• at 110 VA0.22• at 125 VA0.22• at 220 VA0.11Short-circuit:Design of the fuse link / for short-circuit protection of the auxiliary switch / requiredfuse gL/gG: 6 A, quick: 10 AInstallation/mounting/dimensions:built in orientationwith vertical mounting surface +/-135° rotatable, with vertical mounting surface +/-45° tiltable to the front and back | • at 400 V | А | 1 | |
| • at 110 VA0.22• at 125 VA0.22• at 220 VA0.11Short-circuitShort-circuit protection of the auxiliary switch / requiredInstallation/mounting/dimensions:VV <td cols<="" td=""><td>Operating current / of the auxiliary contacts / at DC-13</td><td></td><td></td></td> | <td>Operating current / of the auxiliary contacts / at DC-13</td> <td></td> <td></td> | Operating current / of the auxiliary contacts / at DC-13 | | |
| • at 125 V • at 220 VA 0.22 0.11Short-circuit:VDesign of the fuse link / for short-circuit protection of the auxiliary switch / requiredIsse gL/gG: 6 A, quick: 10 AInstallation/mounting/dimensions:Vbuilt in orientationVith vertical mounting surface +/- 135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back | • at 24 V | А | 1 | |
| • at 220 VA0.11Short-circuit:Design of the fuse link / for short-circuit protection of the auxiliary switch / requiredImage: Short-circuit protection of the survitiary switch / requiredInstallation/mounting/dimensions:Image: Short-circuit protection of the survitiant protectionbuilt in orientationImage: Short-circuit protection of the survitiant protection of the <b< td=""><td>• at 110 V</td><td>А</td><td>0.22</td></b<> | • at 110 V | А | 0.22 | |
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| Design of the fuse link / for short-circuit protection of the auxiliary switch / required fuse gL/gG: 6 A, quick: 10 A Installation/mounting/dimensions: | • at 220 V | А | 0.11 | |
| auxiliary switch / required Installation/mounting/dimensions: built in orientation built in o | Short-circuit: | | | |
| built in orientation with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back | | | fuse gL/gG: 6 A, quick: 10 A | |
| vertical mounting surface +/- 45° tiltable to the front and back | Installation/mounting/dimensions: | | | |
| Type of fixing/fixation direct mounting | built in orientation | | vertical mounting surface +/- 45° tiltable to the front | |
| | Type of fixing/fixation | | direct mounting | |

| Heightmm97Widthmm43Dopthmm96distance, to be maintained, to the ranks assemblymm0• downwardsmm0• down | | _ | |
|--|--|----|-------------------------------------|
| Depthmm96distance, to be maintained, to the ranks assemblyImm0.upwardsmm0.downwardsmm0.downwardsmm0.lowardsmm0.lowardsmm0.sadewardsmm0.sadewardsmm0.downwardsmm0.downwardsmm0.downwardsmm0.downwardsmm0.downwardsmm0.downwardsmm0.downwardsmm0.downwardsmm0.downwardsmm0.downwardsmm0.downwardsmm0.downwardsmm0.downwardsmm0.downwardsmm0.downwardsmm0.downwardsmm0.downardsmm0.downardsmm0.downardsmm0.downardsmm0.downardsmm0.downardsmm0.downardsmm0.downardsmm0.downardsmm0.downardsmm0.downardsmm0.downardsmm0.downardsmm0.downardsmm0.downardsmm0.downardsmm0.downar | Height | mm | 97 |
| distance, to be maintained, to the ranks assemblyImm.upwardsmm0.downwardsmm0.lowardsmm0.lowardsmm0.lowardsmm0.lowardsmm0.distance, to be maintained, to earthed partmm0.upwardsmm0.downwardsmm0.upwardsmm0 </td <td>Width</td> <td>mm</td> <td>45</td> | Width | mm | 45 |
| •upwardsnm0•downwardsnm0•downwardsnm0•downardsnm0•downardsnm0•downardsnm0•downwardsnm0•downardsnm0•downardsnm <t< td=""><td>Depth</td><td>mm</td><td>96</td></t<> | Depth | mm | 96 |
| Addition of the section of the sect | distance, to be maintained, to the ranks assembly | | |
| InternationImmImmInternationImmImmisdewardsImmImmisdewardsImmImmisdewardsImmImmibuards | • upwards | mm | 0 |
| backwardsnm0sidewardsnm0distance, to be maintained, to earthed partnm0•upwardsnm0•otowardsnm0•lowardsnm0•backwardsnm0•backwardsnm0•backwardsnm0•isdewardsnm0•sidewardsnm0•upwardsnmnm•upwardsnmnm•upwardsnmnm•upwardsnmnm•upw | downwards | mm | 0 |
| sidewardsnm0dstance, to be maintained, to earthed partImm0upwardsnm0i-downwardsnm0i-downwardsnm0i-downwardsnm0i-downwardsnm0i-downwardsnm0i-downwardsnm0i-downwardsnm0i-downwardsnm0 </td <td>• forwards</td> <td>mm</td> <td>0</td> | • forwards | mm | 0 |
| distance, to be maintained, to earthed partImm0• upwardsmm0• downwardsmm0• forwardsmm0• backwardsmm0• backwardsmm0• sidewardsmm0• downwardsmm0• upwardsmm0• upwardsmm0• downwardsmm0• downwardsmm0• downwardsmm0• downwardsmm0• downwardsmm0• forwardsmm0• forwardsmm0• forwardsmm0• forwardsmm0• forwardsmm0• forwardsmm0• forwardsmm0• for main current circuitmm0• for main current circuitscrew-type terminals• for main contectsscrew-type terminals• for main contects10 mm2)• utilifar10 mm2)• stranded wire10 mm2)• stranded wire10 mm2)• for auxiliary contacts10 mm2)• for auxili | backwards | mm | 0 |
| •upwardsnm0•downwardsnm0•forwardsnm0•backwardsnm0•sidewardsnm0•sidewardsnm0•upwardsnunu•upwardsnunu•upwardsnunu•upwardsnunu•upwardsnunu•upwardsnunu•upwardsnunu•upwardsnunu•upwardsnunu•upwardsnunu <td>• sidewards</td> <td>mm</td> <td>0</td> | • sidewards | mm | 0 |
| Advanwardsmm0iorwardsmm0iorwardsmm0isdewardsmm0distance, to be maintained, conductive elementsmm0iupwardsmm0idownwardsmm0idownwardsmm0iorwardsmm0iorwardsmm0iorwardsmm0iorwardsmm0iorwardsmm0iorwardsmm0iorwardsmm0iorwardsmm0iorwardsmm0iorwardsmm0iorwardsmm0iorwardsmm0iorwardsmm0iorwardsmm0iorman current circuitmm0ior main current circuitiorscrew-type terminalsior main contactsiorscrew-type terminalsiunifiarior main contacts2 x (125 mm2), 2 x (2.56 mm2), max. 2 x (2.510 mm2)istranded wireior maxiliary contacts2 x (125 mm2), 2 x (2.56 mm2), max. 2 x (2.510 mm2)iurifiarinterprotessing2 x (0.515 mm2), 2 x (0.7525 mm2)inley strandedime2 x (0.515 mm2), 2 x (0.7525 mm2) <tr< td=""><td>distance, to be maintained, to earthed part</td><td></td><td></td></tr<> | distance, to be maintained, to earthed part | | |
| Forwardsnmm0backwardsnmm0sidewardsnmm0distance, to be maintained, conductive elementsnmm0upwardsnmm0downwardsnmm0odownwardsnmm0iowardsnmm0iowardsnmm0isdewardsisdewardsnmmisdewardsisdeward | • upwards | mm | 0 |
| backwardsnm0sidewardsnm6distance, to be maintained, conductive elementsnm0upwardsnm0downwardsnm0downwardsnm0iorwardsnm0iorwardsnm0backwardsnm0isdewardsnm0isdewardsnm0backwardsnm0isdewardsnm0backwardsnm0isdewardsnm0connection type:nm0connection type:nmNofor main current circuitscrew-type terminalsior auxiliary and control current circuitscrew-type terminalsior auxiliary and control current circuitscrew-type terminalsior main contractsscrew-type terminalsunifilar2x(12.5 mm2), 2x(2.56 mm2), max. 2x(2. | downwards | mm | 0 |
| • sidewardsmm6distance, to be maintained, conductive elementsmm0• upwardsmm0• downwardsmm0• forwardsmm0• backwardsmm0• constructionmm0• for main current circuitscrew-type terminals• for main contractsscrew-type terminals• for main contactsscrew-type terminals <t< td=""><td>• forwards</td><td>mm</td><td>0</td></t<> | • forwards | mm | 0 |
| distance, to be maintained, conductive elementsImmImm• upwardsmm0• downwardsmm0• forwardsmm0• backwardsmm0• backwardsmm6• backwardsmm6• connection type:NoProduct functionNo• removable terminal for auxiliary and control circuitNo• for main current circuitscrew-type terminals• for main current circuitscrew-type terminals• for main control current circuitscrew-type terminals• for main control current circuitscrew-type terminals• for main control current circuitscrew-type terminals• for main controts2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire 10 mm2• stranded wirex (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wirex (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wirex (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wirex (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wirex (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wirex (1 2.5 mm2), 2 x (0.75 2.5 mm2)• with conductor end processingx (1 2.5 mm2), 2 x (0.75 2.5 mm2)• with wire end processingx (0.5 1.5 mm2), 2 x (0.75 2.5 mm2)• with wire end processingx (0.5 1.5 mm2), 2 x (0.75 2.5 mm2) <td>backwards</td> <td>mm</td> <td>0</td> | backwards | mm | 0 |
| •upwardsnm0.downwardsnm0.forwardsnm0.backwardsnm0.backwardsnm0.sidewardsnm0.concetion type:nm0Connection type:No.removable terminal for auxiliary and control circuitNo.etaign of the electrical connection.concetion type:.for main current circuit.concetion type:.for main current circuit.concetion type:.for main control current circuit.concetion type:.for main control current circuit.concetion type:.for main contacts.concetion type:.for auxiliary contacts.concetion type:.for auxiliary contacts.concetion type:.for auxiliary contacts.concetion type:.solid.concetion type:.solid.concetion type:.solid.concetion type:.with wire end processing.concetion type:.with wire end pr | • sidewards | mm | 6 |
| • downwardsnm0• forwardsnm0• backwardsnm0• sidewardsnm0• sidewardsnm0• connection type:nm0Product functionnmNo• removable terminal for auxiliary and control circuitNodesign of the electrical connectionscreew-type terminals• for main current circuitscreew-type terminals• for main current circuitscreew-type terminals• for main controlsscreew-type terminals• for main contactsscreew-type terminals• unifilarscreew-type terminals• unifilarscrew-type terminals• stranded wirescrew-type terminals• with conductor end processingscrew-type terminals• for auxiliary contactsscrew-type terminals• solidscrew-type terminals• solidscrew-type terminals• solidscrew-type terminals• with wire end processingscrew-type terminals• with wire end processingscrew-type terminals | distance, to be maintained, conductive elements | | |
| iforwardsmm0ibackwardsmm0isidewardsmm0isidewardsmm0Connection type:Connection type:Verduct functioninemovable terminal for auxiliary and control circuitNoifor main current circuitscrew-type terminalsifor main current circuitscrew-type terminalsifor main control current circuitscrew-type terminalsifor main control current circuitscrew-type terminalsifor main control current circuitscrew-type terminalsifor main contactsscrew-type terminalsifor auxiliary contactsscrew-type terminalsifor auxiliary contactsscrew-type terminalsifor auxiliary contactsscrew-type terminalsifoldscrew-type terminal | • upwards | mm | 0 |
| backwardsnm0sidewardsmm6Connection type:Product functionremovable terminal for auxiliary and control circuitNodesign of the electrical connectionscrew-type terminalsof or main current circuitscrew-type terminalsof or main current circuitscrew-type terminalsof the connectable conductor cross-sectionscrew-type terminalsof main contacts2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)oth conductor end processing2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)oth conductor end processing2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)oth conductor end processing2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)oth conductor end processing2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)oth conductor end processing2 x (0.5 1.5 mm2), 2 x (0.5 1.5 mm2), 2 x (0.5 10 m2)oth conductor end processing2 x (0.5 1.5 mm2), 2 x (0.5 1.5 mm2), 2 x (0.5 10 m2)oth conductor end processing2 x (0.5 1.5 mm2), 2 x (0.5 2.5 mm2)oth with wire end processing2 x (0.5 1.5 mm2), 2 x (0.7 5 2.5 mm2) | downwards | mm | 0 |
| • sidewardsmm6Connection type:Product function• removable terminal for auxiliary and control circuitNodesign of the electrical connectionscrew-type terminals• for main current circuitscrew-type terminals• for main current circuitscrew-type terminals• for main control current circuitscrew-type terminals• for main contactsscrew-type terminals• for main contacts2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• solid2 x (0.5 1.5 mm2), 2 x (0.75 2.5 mm2)• solid2 x (0.5 1.5 mm2), 2 x (0.75 2.5 mm2)• with wire end processing2 x (0.5 1.5 mm2), 2 x (0.75 2.5 mm2) | • forwards | mm | 0 |
| Connection type:Product function • removable terminal for auxiliary and control circuitNodesign of the electrical connection • for main current circuitscrew-type terminals• for main current circuitscrew-type terminals• for auxiliary and control current circuitscrew-type terminals• for main control current circuitscrew-type terminals• for main control current circuitscrew-type terminals• for main contactsscrew-type terminals• for main contacts2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• for auxiliary contacts2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• for auxiliary contacts2 x (1 2.5 mm2), 2 x (0.75 2.5 mm2)• for auxiliary contacts2 x (0.5 1.5 mm2), 2 x (0.75 2.5 mm2)• finely stranded2 x (0.5 1.5 mm2), 2 x (0.75 2.5 mm2) | backwards | mm | 0 |
| Product functionImage: second sec | • sidewards | mm | 6 |
| Product functionImage: second sec | Connection type: | | |
| design of the electrical connectionscrew-type terminals• for main current circuitscrew-type terminals• for auxiliary and control current circuitscrew-type terminalsType of the connectable conductor cross-sectionscrew-type terminals• for main contacts2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• for auxiliary contacts2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• for auxiliary contacts2 x (1 2.5 mm2), 2 x (2.5 6 mm2)• for auxiliary contacts2 x (0.5 1.5 mm2), 2 x (0.75 2.5 mm2)• finely stranded2 x (0.5 1.5 mm2), 2 x (0.75 2.5 mm2) | Product function | | |
| for main current circuitscrew-type terminals• for auxiliary and control current circuitscrew-type terminalsType of the connectable conductor cross-sectionscrew-type terminals• for main contacts2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• solid2 x (1 2.5 mm2), 2 x (0.75 2.5 mm2)• for auxiliary contacts2 x (0 5 1.5 mm2), 2 x (0.75 2.5 mm2)• finely stranded2 x (0 5 1.5 mm2), 2 x (0.75 2.5 mm2)• with wire end processing2 x (0 5 1.5 mm2), 2 x (0.75 2.5 mm2) | removable terminal for auxiliary and control circuit | | No |
| • for auxiliary and control current circuitscrew-type terminalsType of the connectable conductor cross-sectionImage: Connectable conductor cross-section• for main contactsImage: Connectable conductor cross-section• unifilar2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wireImage: Connectable conductor end processing• with conductor end processingImage: Connectable connectabl | design of the electrical connection | | |
| Type of the connectable conductor cross-sectionImage: section of the connectable conductor cross-section• for main contacts2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2)• stranded wire2 x (1 2.5 mm2), 2 x (2.5 6 mm2)• with conductor end processing2 x (1 2.5 mm2), 2 x (2.5 6 mm2)• for auxiliary contacts2 x (0.5 1.5 mm2), 2 x (0.75 2.5 mm2)• finely stranded2 x (0.5 1.5 mm2), 2 x (0.75 2.5 mm2)• with wire end processing2 x (0.5 1.5 mm2), 2 x (0.75 2.5 mm2) | for main current circuit | | screw-type terminals |
| • for main contacts 2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2) • stranded wire 2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2) • stranded wire 2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2) • stranded wire 2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2) • stranded wire 2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2) • stranded wire 2 x (1 2.5 mm2), 2 x (2.5 6 mm2) • stranded wire 2 x (1 2.5 mm2), 2 x (0.75 2.5 mm2) • for auxiliary contacts 2 x (0.5 1.5 mm2), 2 x (0.75 2.5 mm2) • finely stranded 2 x (0.5 1.5 mm2), 2 x (0.75 2.5 mm2) | for auxiliary and control current circuit | | screw-type terminals |
| • unifilar 2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2) • stranded wire 2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2) • stranded wire 2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2) • stranded wire 2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2) • stranded wire 2 x (1 2.5 mm2), 2 x (2.5 6 mm2) • for auxiliary contacts 2 x (1 2.5 mm2), 2 x (0.75 2.5 mm2) • solid 2 x (0.5 1.5 mm2), 2 x (0.75 2.5 mm2) • finely stranded 2 x (0.5 1.5 mm2), 2 x (0.75 2.5 mm2) • with wire end processing 2 x (0.5 1.5 mm2), 2 x (0.75 2.5 mm2) | Type of the connectable conductor cross-section | | |
| • stranded wire 10 mm2) • stranded wire 2 x (1 2.5 mm2), 2 x (2.5 6 mm2), max. 2 x (2.5 10 mm2) • stranded wire 2 x (1 2.5 mm2), 2 x (2.5 6 mm2) • with conductor end processing 2 x (1 2.5 mm2), 2 x (2.5 6 mm2) • for auxiliary contacts 2 x (0.5 1.5 mm2), 2 x (0.75 2.5 mm2) • finely stranded 2 x (0.5 1.5 mm2), 2 x (0.75 2.5 mm2) • with wire end processing 2 x (0.5 1.5 mm2), 2 x (0.75 2.5 mm2) | • for main contacts | | |
| • stranded wire 10 mm2) • stranded wire 2x (1 2.5 mm2), 2x (2.5 6 mm2) • for auxiliary contacts 2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2) • finely stranded 2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2) • with wire end processing 2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2) | • unifilar | | |
| with conductor end processing for auxiliary contacts solid finely stranded with wire end processing 2x (1 2.5 mm2), 2x (2.5 6 mm2) 2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2) 2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2) | stranded wire | | |
| for auxiliary contacts solid finely stranded with wire end processing 2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2) 2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2) | stranded wire | | |
| solid finely stranded with wire end processing 2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2) 2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2) | with conductor end processing | | 2x (1 2.5 mm2), 2x (2.5 6 mm2) |
| • finely stranded • with wire end processing 2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2) | • for auxiliary contacts | | |
| • with wire end processing 2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2) | • solid | | 2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2) |
| | • finely stranded | | |
| • without conductor final cutting 2x (0,5 1,5 mm2), 2x (0,75 2,5 mm2) | with wire end processing | | 2x (0.5 1.5 mm2), 2x (0.75 2.5 mm2) |
| | without conductor final cutting | | 2x (0,5 1,5 mm2), 2x (0,75 2,5 mm2) |

| at AWG-conductors | | | | |
|---|--------|--|--|--|
| • for main contacts | | 2x (14 10) | | |
| for auxiliary contacts | | 2x (18 14) | | |
| Conductor cross section that can be connected | | | | |
| for main contacts | | | | |
| • unifilar | mm² | 110 | | |
| stranded wire | mm² | 1 10 | | |
| stranded wire | | 110 | | |
| with conductor end processing | mm² | 16 | | |
| | | 10 | | |
| for auxiliary contact unifilar | mm² | 0.5 2.5 | | |
| | 11111- | 0.5 2.5 | | |
| stranded wire | | 25 25 | | |
| with conductor end processing | mm² | 0.5 2.5 | | |
| without conductor final cutting | mm² | 0.5 2.5 | | |
| AWG number / as coded connectable conductor cross-section | | | | |
| for main contacts / minimum | | 14 | | |
| for auxiliary contact | | 18 14 | | |
| Certificates/approvals: | | | | |
| verification of suitability | | CSA / UL / CC / GL / LRS / BV / DNV / RMRS / RINA / PRS / ABS | | |
| varification of suitability / ATEX | | Yes | | |
| Further information: | | | | |
| Information- and Downloadcenter (Catalogs, Brochures,) | | | | |
| http://www.siemens.com/industrial-controls/catalogs Global Industry Mall (Online ordering system) | | | | |
| http://www.siemens.com/industrial-controls/mall | | | | |
| Service&Support (Manuals, Certificates, Characteristics, FAQs,) http://support.automation.siemens.com/WW/view/en/3RU1126-1FB0/all | | | | |
| Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams,) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RU1126-1FB0 | | | | |





last change: