SIEMENS

Data sheet

3RT2516-2AP00



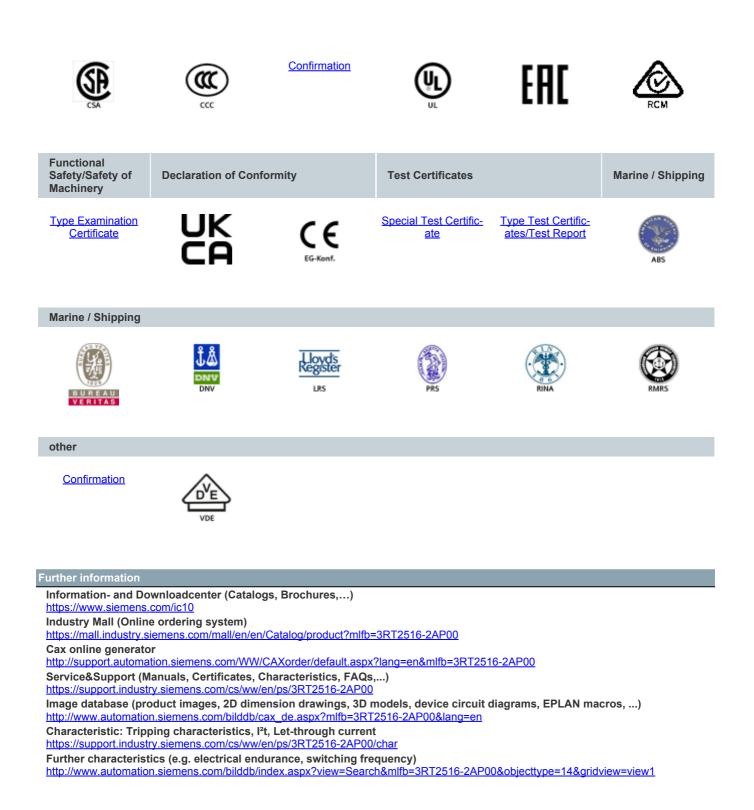
Power contactor, AC-3 9 A, 4 kW / 400 V 2 NO + 2 NC 230 V AC, 50/60 Hz 4-pole Size S00 Spring-type terminal

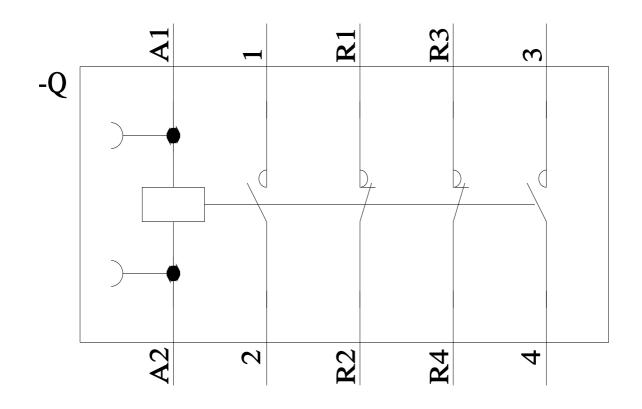
| product brand name | SIRIUS |
|---|----------------------------|
| product designation | contactor |
| product type designation | 3RT25 |
| General technical data | |
| size of contactor | S00 |
| product extension | |
| function module for communication | No |
| auxiliary switch | Yes |
| insulation voltage | |
| of main circuit with degree of pollution 3 rated value | 690 V |
| of auxiliary circuit with degree of pollution 3 rated value | 690 V |
| surge voltage resistance | |
| of main circuit rated value | 6 kV |
| of auxiliary circuit rated value | 6 kV |
| maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 | 400 V |
| shock resistance at rectangular impulse | |
| • at AC | 6,7g / 5 ms, 4,2g / 10 ms |
| shock resistance with sine pulse | |
| • at AC | 10,5g / 5 ms, 6,6g / 10 ms |
| mechanical service life (switching cycles) | |
| of contactor typical | 30 000 000 |
| of the contactor with added electronically optimized auxiliary switch block typical | 5 000 000 |
| of the contactor with added auxiliary switch block typical | 10 000 000 |
| reference code according to IEC 81346-2 | Q |
| Substance Prohibitance (Date) | 10/01/2009 |
| Ambient conditions | |
| installation altitude at height above sea level maximum | 2 000 m |
| ambient temperature | |
| during operation | -25 +60 °C |
| during storage | -55 +80 °C |
| relative humidity minimum | 10 % |
| relative humidity at 55 °C according to IEC 60068-2-30 maximum | 95 % |
| Main circuit | |
| number of poles for main current circuit | 4 |
| number of NO contacts for main contacts | 2 |
| | |

| number of NC contacts for main contacts | 2 |
|--|---|
| operational current | |
| • at AC-1 up to 690 V | |
| - at ambient temperature 40 °C rated value | 18 A |
| — at ambient temperature 40 °C rated value | 16 A |
| at ambient temperature of Chated value at AC-2 at AC-3 at 400 V | |
| — per NO contact rated value | 9 A |
| per NC contact rated value | 9 A |
| minimum cross-section in main circuit at maximum AC-1 | 2.5 mm ² |
| rated value | |
| operational current | |
| • at 1 current path at DC-1 | 00.4 |
| — at 24 V rated value | 20 A |
| — at 110 V rated value | 2.1 A |
| — at 220 V rated value | 0.8 A |
| — at 440 V rated value | 0.6 A |
| with 2 current paths in series at DC-1 | |
| — at 24 V rated value | 20 A |
| — at 110 V rated value | 12 A |
| — at 220 V rated value | 1.6 A |
| — at 440 V rated value | 0.8 A |
| at 1 current path at DC-3 at DC-5 | |
| — at 24 V per NC contact rated value | 16 A |
| — at 24 V per NO contact rated value | 16 A |
| — at 110 V per NC contact rated value | 0.075 A |
| — at 110 V per NO contact rated value | 0.15 A |
| — at 220 V per NC contact rated value | 0.375 A |
| - at 220 V per NO contact rated value | 0.75 A |
| with 2 current paths in series at DC-3 at DC-5 | |
| — at 24 V per NC contact rated value | 16 A |
| - at 24 V per NO contact rated value | 16 A |
| - at 110 V per NC contact rated value | 0.175 A |
| - at 110 V per NO contact rated value | 0.35 A |
| operating power at AC-2 at AC-3 | |
| at 230 V per NC contact rated value | 2.2 kW |
| at 230 V per NO contact rated value | 2.2 kW |
| at 400 V per NC contact rated value | 4 kW |
| at 400 V per NO contact rated value | 4 kW |
| short-time withstand current in cold operating state up to 40 °C | |
| • | 110 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 1 s switching at zero current maximum limited to 5 s switching at zero current maximum | 110 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 5 s switching at zero current maximum limited to 10 s switching at zero surrent maximum | |
| limited to 10 s switching at zero current maximum limited to 20 a guitabing at zero surrent maximum | 86 A; Use minimum cross-section acc. to AC-1 rated value |
| limited to 30 s switching at zero current maximum limited to 60 a guitabing at zero surrent maximum | 66 A; Use minimum cross-section acc. to AC-1 rated value |
| Imited to 60 s switching at zero current maximum | 54 A; Use minimum cross-section acc. to AC-1 rated value |
| power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor | 0.7 W |
| no-load switching frequency | |
| • at AC | 10 000 1/h |
| • at DC | 10 000 1/h |
| operating frequency | |
| • at AC-1 maximum | 1 000 1/h |
| Control circuit/ Control | |
| type of voltage of the control supply voltage | AC |
| control supply voltage at AC | |
| at 50 Hz rated value | 230 V |
| at 50 Hz rated value at 60 Hz rated value | 230 V |
| operating range factor control supply voltage rated value of magnet coil at AC | |
| • at 50 Hz | 0.8 1.1 |
| • at 60 Hz | 0.85 1.1 |
| - 41 00 112 | v.vv 1.1 |

| apparent pick up power of mergest soil of AO | 27.\/A |
|--|--|
| apparent pick-up power of magnet coil at AC | 27 VA |
| ● at 50 Hz ● at 60 Hz | 27 VA 24.3 VA |
| • at 60 HZ inductive power factor with closing power of the coil | 24.3 VA 0.8 |
| at 50 Hz | 0.8 |
| • at 50 Hz | 0.0 |
| apparent holding power of magnet coil at AC | |
| • at 50 Hz | 4.2 VA |
| • at 60 Hz | 3.3 VA |
| inductive power factor with the holding power of the coil | 0.25 |
| • at 50 Hz | 0.25 |
| • at 60 Hz | 0.25 |
| closing delay | |
| • at AC | 9 35 ms |
| opening delay | |
| • at AC | 7 13 ms |
| arcing time | 10 15 ms |
| residual current of the electronics for control with signal <0> | |
| • at AC at 230 V maximum permissible | 0.003 A |
| Auxiliary circuit | |
| number of NC contacts for auxiliary contacts instantaneous contact | 0 |
| number of NO contacts for auxiliary contacts instantaneous contact | 0 |
| operational current at AC-12 maximum | 10 A |
| operational current at AC-15 | |
| at 230 V rated value | 10 A |
| • at 400 V rated value | 3 A |
| operational current at DC-12 | |
| at 48 V rated value | 6 A |
| • at 60 V rated value | 6 A |
| • at 110 V rated value | 3 A |
| • at 125 V rated value | 2 A |
| at 220 V rated value | 1 A |
| at 600 V rated value | 0.15 A |
| operational current at DC-13 | |
| at 24 V rated value | 10 A |
| • at 48 V rated value | 2 A |
| at 60 V rated value | 2 A |
| at 110 V rated value | 1 A |
| at 220 V rated value | 0.3 A |
| at 600 V rated value | 0.1 A |
| contact reliability of auxiliary contacts | 1 faulty switching per 100 million (17 V, 1 mA) |
| UL/CSA ratings | |
| yielded mechanical performance [hp] | |
| • for single-phase AC motor at 230 V rated value | 1 hp |
| • for 3-phase AC motor at 460/480 V rated value | 5 hp |
| contact rating of auxiliary contacts according to UL | A600 / Q600 |
| Short-circuit protection | |
| design of the fuse link | |
| for short-circuit protection of the main circuit | |
| — with type of coordination 1 required with type of coordination 2 required | gG: 35 A (690 V, 100 kA) |
| — with type of assignment 2 required | gG: 20A (690V, 100kA) |
| for short-circuit protection of the auxiliary switch required | fuse gG: 10 A |
| Installation/ mounting/ dimensions | |
| mounting position | +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface |
| fastening method | screw and snap-on mounting onto 35 mm standard mounting rail |
| | |

| • elde by-side mounting Yes height 70 mm width 45 mm • elde by-side mounting 73 mm • elde by-side mounting 0 mm - backwards 0 mm - upwards 0 mm - upwards 0 mm - downwards 0 mm - downwards 0 mm - downwards 0 mm - at the side 0 mm - backwards 0 mm - backwards 0 mm - at the side 0 mm - backwards 0 mm - at the side 0 mm - downwards 0 mm - at the side 0 mm - downwards 0 mm - at the side 0 mm - downwards 0 mm - for rowards 0 mm - for live parts 0 mange - fore live parts 0 mm - a the | | according to DIN EN 50022 | |
|---|---|--|-----|
| width 45 mm depth 73 mm required spacing 73 mm • with side-by-side mounting 73 mm - forwards 0 mm - backwards 0 mm - downwards 0 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - downwards 0 mm - downwards 0 mm - downwards 0 mm - downwards 0 mm - backwards 0 mm - downwards 0 mm - downwards 0 mm - downwards 0 mm - at the side 6 mm Connections/Torminals spring-loaded terminals vipre of controlicuit spring-loaded terminals of mailer and control cicuit spring-loaded terminals of mailer and control cicuit spring-loaded terminals | side-by-side mounting | Yes | |
| depth 73 mm required spacing - e-torwards 0 mm - backwards 0 mm - downwards 0 mm - downwards 0 mm - downwards 0 mm - downwards 0 mm - backwards 0 mm - downwards 0 mm - solid \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | | | |
| required spacing • with side by side mounting - forwards 0 mm - backwards 0 mm - downwards 0 mm - downwards 0 mm - at the side 0 mm - backwards 0 mm - at the side 0 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - upwards 0 mm - downwards 0 mm - at the side 6 mm Connections/ Torminals spring-loaded terminals io rawillary and control circuit spring-loaded terminals • of main contacts spring-loaded terminals - solid 2x (0.5 4 mm?) - finely stranded with core end processing 2x (0.5 4 mm?) - finely stranded with core end processing 2x (0.5 2.5 mm?) - finely stranded with core end processing | | | |
| • with side-by-side mounting o mm - forwards 0 mm - backwards 0 mm - upwards 0 mm - downwards 0 mm - at the side 0 mm - forwards 0 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - backwards 0 mm - downwards 0 mm - backwards 0 mm - downwards 0 mm | • | 73 mm | |
| - forwards0 mm- upwards0 mm- downwards0 mm- downwards0 mm- downwards0 mm- downwards0 mm- backwards0 mm- backwards0 mm- backwards0 mm- backwards0 mm- backwards0 mm- upwards0 mm- upwards0 mm- downwards0 mm- downwards0 mm- downwards0 mm- backwards0 mm- downwards0 mm- backwards0 | | | |
| | | 0 | |
| upwards0 mm- downwards0 mm- downwards0 mm- for grounded parts0 mm- backwards0 mm- upwards0 mm- upwards0 mm- upwards0 mm- downwards0 mm- downwards0 mm- downwards0 mm- downwards0 mm- backwards0 mm- downwards0 mm- downwards2 mm- downwards2 mm- for auxiliary contactsSpring-type terminals- solid2x (0.5 4 mm ²)- solid or stra | | | |
| - downwards0 mm- at the side0 mm• for grounded parts0 mm- forwards0 mm- backwards0 mm- upwards0 mm- at the side6 mm- odwnwards0 mm- odwnwards0 mm- odwnwards0 mm- forwards0 mm- forwards0 mm- forwards0 mm- forwards0 mm- upwards0 mm- upwards0 mm- downwards0 mm- for auxiliary and control circuitspring-loaded terminals- for auxiliary and control circuitspring-loaded terminals- for auxiliary and control circuitspring-l | | | |
| at the side0 mm• for grounded parts0 mm backwards0 mm backwards0 mm upwards0 mm upwards0 mm downwards0 mm downwards0 mm for lve parts0 mm for wards0 mm backwards0 mm backwards0 mm backwards0 mm backwards0 mm backwards0 mm downwards0 mm downwards0 mm downwards0 mm downwards0 mm downwards0 mm downwards5 mmConnections/ Terminalsspring-loaded terminals for auxiliary and control circuitspring-loaded terminals for auxiliary contactsSpring-lype terminals solid2x (0.5 4 mm²) solid or stranded2x (0.5 4 mm²) solid or stranded2x (0.5 4 mm²) finely stranded withour end processing2x (0.5 25 mm²) finely stranded withour core and processing2x (0.5 25 mm²) finely stranded with core end processing2x (0.5 25 mm²) finely stranded with core end processing2x (0.5 25 mm²) finely stranded with core end processing2x (0.5 25 mm²) finely stranded with core end processing2x (0.5 25 mm²) finely stranded without core end processing2x (0.5 25 mm²) finely stranded without core end processing2x (0.5 25 mm²) </td <td>•</td> <td></td> <td></td> | • | | |
| • for grounded parts0 mm- backwards0 mm- upwards0 mm- upwards0 mm- at the side6 mm- downwards0 mm- for live parts0 mm- backwards0 mm- backwards0 mm- backwards0 mm- backwards0 mm- backwards0 mm- upwards0 mm- downwards0 mm- for ain current circuitspring-loaded terminalsstoratector for auxiliary contactsSpring-lype terminalsof main current circuitspring-loaded terminalsstoratector for auxiliary contactsSpring-lype terminalsof main contacts2x (0.5 4 mm²)- solid2x (0.5 4 mm²)- solid or stranded2x (0.5 2.5 mm²)- solid or stranded2x (0.5 4 mm²)- finely stranded without core end processing2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- solid or stranded2x (0.5 2.5 mm²) <tr< td=""><td></td><td></td><td></td></tr<> | | | |
| - forwards0 mm- backwards0 mm- backwards0 mm- at the side6 mm- at the side6 mm- downwards0 mm- for low parts forwards0 mm- backwards0 mm- backwards0 mm- backwards0 mm- downwards0 mm- downwards9 mm- downwards2 mm- downwards2 mm- a solid2x (0 5 4 mm ²)- solid or stranded2x (0 5 2 5 mm ²)- solid or stranded2x (0 5 4 mm ²)- solid or stranded2x (0 5 4 mm ²)- solid or stranded2x (0 5 4 mm ²)- nely stranded with core end processing2x (0 5 2 5 mm ²)- nely stranded with core end processing2x (0 5 2 | | U mm | |
| | | 0 | |
| | | | |
| | | | |
| downwards0 mm• for live parts0 mmboxkwards0 mmboxkwards0 mmupwards0 mmupwards0 mmdownwards0 mmdownwards6 mmdownwards6 mmdownwards5 mmdownwards2 x (0.5 4 mm ²)downwards2 x (0.5 2.5 mm ²) | • | | |
| • for live parts· forwards0 mm- backwards0 mm- backwards0 mm- upwards0 mm- downwards0 mm- dthe side8 mmConnections/Tominalstype of electrical connection• for nain current circuitspring-loaded terminals• for auxiliary and control circuitspring-loaded terminals• for auxiliary contactsSpring-type terminals• of magnet collSpring-type terminals• for main connectable conductor cross-sectionsSpring-type terminals• for main contacts2x (0.5 4 mm ²)- solid2x (0.5 2.5 mm ²)- solid or stranded2x (0.5 2.5 mm ²)• for wain contacts2x (0.5 2.5 mm ²)• for duxiliary contacts2x (0.5 4 mm ²)- solid2x (0.5 2.5 mm ²)• for auxiliary contacts2x (0.5 4 mm ²)- solid or stranded2x (0.5 4 mm ²)• for auxiliary contacts2x (0.5 4 mm ²)- solid2x (0.5 4 mm ²)• for auxiliary contacts2x (0.5 4 mm ²)- solid or stranded2x (0.5 4 mm ²)- solid or stranded2x (0.5 4 mm ²)- solid or stranded2x (0.5 2.5 mm ²)< | | | |
| forwards0 mm backwards0 mm upwards0 mm downwards0 mm at the side6 mmConnections/ Terminalstype of electrical connection for main current circuitspring-loaded terminals for main contactor for auxiliary contactsSpring-type terminals for main contacts solid solid2x (0.5 4 mm²) solid or stranded2x (0.5 4 mm²) finely stranded with core end processing2x (0.5 25 mm²) finely stranded with core end processing2x (0.5 4 mm²) solid2x (0.5 4 mm²) solid or stranded2x (0.5 2.5 mm²) solid or stranded2x (0.5 2.5 mm²) solid or stranded2x (0.5 2.5 mm²) finely stranded without core end processing | | U mm | |
| | | 0 | |
| upwards0 mm downwards0 mm at the side6 mmconnections/ terminalstype of electrical connection• for main current circuitspring-loaded terminals• for auxiliary and control circuitspring-loaded terminals• at contactor for auxiliary contactsSpring-lype terminals• of magnet coilSpring-lype terminals• for main contactsSpring-lype terminals• for main contacts2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- solid or stranded with core end processing2x (0.5 2.5 mm²)• for auxiliary contacts2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- solid or stranded2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- solid or stranded2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without | | | |
| downwards0 mm at the side6 mmConnections/ Terminalstype of electrical connection- for main current circuitspring-loaded terminals- for auxiliary and control circuitspring-loaded terminals- at contactor for auxiliary contactsSpring-type terminals- of main contactsSpring-type terminals- solid connectable conductor cross-sectionsSpring-type terminals- for auxiliary contactsSpring-type terminals- solid or stranded2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 2 5 mm²)- finely stranded with core end processing2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 4 mm²)- solid2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded tore end processing2x (0.5 2.5 mm²)- finely strand | | | |
| - at the side6 mmConnections/ Terminalstype of electrical connection• for main current circuitspring-loaded terminals• for main current circuitspring-loaded terminals• at contactor for auxiliary and control circuitspring-loaded terminals• at contactor for auxiliary contactsSpring-type terminals• of main contactsSpring-type terminals- solid2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)• for auxiliary contacts2x (0.5 2.5 mm²)• for auxiliary contacts2x (0.5 4 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)• for auxiliary contacts2x (0.5 2.5 mm²)• for auxiliary contacts2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- finely stranded without core end processing2x (0.5 4 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded tirbero ontacts2x (0.5 2.5 mm²)- finely st | • | • | |
| Connections/Terminals type of electrical connection • for main current circuit spring-loaded terminals • for auxiliary and control circuit spring-loaded terminals • at contactor for auxiliary contacts Spring-type terminals • of magnet coil Spring-type terminals type of connectable conductor cross-sections • • for main contacts 2x (0.5 4 mm²) - solid or stranded 2x (0.5 4 mm²) - finely stranded with core end processing 2x (0.5 4 mm²) - finely stranded without core end processing 2x (0.5 4 mm²) • at AWG cables for main contacts 2x (0.5 4 mm²) • for auxiliary contacts 2x (0.5 4 mm²) - solid 2x (0.5 4 mm²) - solid stranded 2x (0.5 4 mm²) - finely stranded without core end processing 2x (0.5 4 mm²) - solid or stranded 2x (0.5 4 mm²) - nely stranded with core end processing 2x (0.5 4 mm²) - nely stranded with core end processing 2x (0.5 2.5 mm²) - solid or stranded 2x (0.5 4 mm²) - finely stranded with core end processing 2x (0.5 2.5 mm²) - finely stra | | | |
| type of electrical connection • for main current circuit spring-loaded terminals • for auxiliary and control circuit spring-loaded terminals • at contactor for auxiliary contacts spring-loaded terminals • of magin coll Spring-type terminals type of connectable conductor cross-sections • for main contacts - solid 2x (0.5 4 mm²) - finely stranded with our end processing 2x (0.5 4 mm²) - finely stranded without core end processing 2x (0.5 4 mm²) - finely stranded without core end processing 2x (0.5 4 mm²) - solid or stranded 2x (0.5 4 mm²) - finely stranded without core end processing 2x (0.5 4 mm²) - finely stranded with core end processing 2x (0.5 4 mm²) - finely stranded with core end processing 2x (0.5 4 mm²) - finely stranded with core end processing 2x (0.5 2.5 mm²) - at AWG cables for auxiliary contacts 2x (0.5 2.5 mm²) - at AWG cables for auxiliary contacts 2x (20 12) AWG number as coded co | | 6 mm | |
| spring-loaded terminals• for main current circuitspring-loaded terminals• of magnet coilSpring-type terminals• of magnet coilSpring-type terminals• of main contactsSpring-type terminals• for main contacts- solid- solid or stranded2x (0.5 4 mm²)- solid or stranded with ocre end processing2x (0.5 4 mm²)- finely stranded with ocre end processing2x (0.5 2.5 mm²)• for auxiliary contacts2x (0.5 4 mm²)- finely stranded with ocre end processing2x (0.5 4 mm²)• at AWG cables for main contacts2x (0.5 4 mm²)• at AWG cables for auxiliary contacts2x (0.5 4 mm²)• finely stranded with ocre end processing2x (0.5 4 mm²)• at AWG cables for auxiliary contacts2x (0.5 4 mm²)• finely stranded with ocre end processing2x (0.5 2.5 mm²)• at AWG cables for auxiliary contacts2x (0.5 2.5 mm²)• at AWG cables for auxiliary contacts2x (0.5 2.5 mm²)• at AWG cables for auxiliary contacts2x (0.5 2.5 mm²)• at AWG cables for auxiliary contacts2x (0.5 2.5 mm²)• at AWG cables for auxiliary contacts2x (0.5 2.5 mm²)• at AWG cables for auxiliary contacts2x (0.5 2.5 mm²)• at AWG cables for auxiliary contacts2x (0.5 2.5 mm²)• at AWG cables for auxiliary contacts2x (0.5 2.5 mm²)• at AWG cables for auxiliary contacts2x (0.5 2.5 mm²)• at AWG cables for auxiliary contacts2x (0.5 2.5 mm²) <td>onnections/ Terminals</td> <td></td> <td></td> | onnections/ Terminals | | |
| • for auxiliary and control circuitspring-loaded terminals• at contactor for auxiliary contactsSpring-type terminals• of magnet coilSpring-type terminalstype of connectable conductor cross-sections• for main contacts2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 4 mm²)- finely stranded without core end processing2x (0.5 4 mm²)- finely stranded without core end processing2x (0.5 4 mm²)- finely stranded without core end processing2x (0.5 4 mm²)- solid2x (0.5 4 mm²)- finely stranded without core end processing2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- minor contacts2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- | | | |
| • at contactor for auxiliary contactsSpring-type terminals• of magnet coilSpring-type terminalstype of connectable conductor cross-sections• for main contacts2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 4 mm²)- finely stranded without core end processing2x (0.5 4 mm²)- finely stranded without core end processing2x (0.5 4 mm²)• at AWG cables for main contacts2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- solid or stranded with core end processing2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 4 mm²)- finely stranded without core end processing2x (0.5 4 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 4 mm²)- finely stranded without core end processing2x (0.5 4 mm²)- finely stranded without core end processing2x (0.5 4 mm²)- finely stranded without core end processing2x (0.5 4 mm²)- finely stranded without core end processing2x (0.5 4 mm²)- ontact according to IEC 60947-4 | | | |
| • of magnet coilSpring-type terminalstype of connectable conductor cross-sections-• for main contacts solid2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)• at AWG cables for main contacts2x (0.5 4 mm²)• at AWG cables for main contacts2x (0.5 4 mm²)• for auxiliary contacts2x (0.5 4 mm²)- solid2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 4 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded totate2x (0.5 2.5 mm²)- finely stranded totate2x (0.5 2.5 mm²)- finely stranded totate2x (0.5 2.5 mm²)- solid or stranded2x (0.5 2.5 mm²)- finely stranded totate2x (0.5 2.5 mm²)- finely stranded totate2x (0.5 2.5 mm²)- solid or stranded </td <td></td> <td></td> <td></td> | | | |
| type of connectable conductor cross-sections• for main contacts- solid2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)• at AWG cables for main contacts2x (0.5 4 mm²)• tat AWG cables for main contacts2x (0.5 4 mm²)• of auxiliary contacts2x (0.5 4 mm²)- solid2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)• at AWG cables for auxiliary contacts2x (0.5 2.5 mm²)• at AWG cables for auxiliary contacts2x (0.5 12)Bafety related data2x (0.5 12)product function2x (0.5 12)• mirror contact according to IEC 60947-4-1Yes; with 3RH29• positively driven operation according to IEC 60947-5-1Yes; with 3RH29T1 value for proof test interval or service life according to IEC 6150820 yprotection class IP on the front according to IEC1920 | - | Spring-type terminals | |
| • for main contacts- solid2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)• at AWG cables for main contacts2x (0.5 4 mm²)• solid or stranded2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- solid or stranded2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- solid rotatate2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded with core end processing2x (20 12)- finely s | | Spring-type terminals | |
| solid2x (0.5 4 mm²) solid or stranded2x (0,5 4 mm²) finely stranded with core end processing2x (0.5 2.5 mm²) finely stranded without core end processing2x (0.5 2.5 mm²) finely stranded without core end processing2x (20 12)type of connectable conductor cross-sections | type of connectable conductor cross-sections | | |
| solid or stranded2x (0,5 4 mm²) finely stranded with core end processing2x (0,5 2.5 mm²) finely stranded without core end processing2x (0,5 2.5 mm²) finely stranded without core end processing2x (20 12)type of connectable conductor cross-sections | for main contacts | | |
| finely stranded with core end processing2x (0.5 2.5 mm²) finely stranded without core end processing2x (0.5 2.5 mm²)e at AWG cables for main contacts2x (20 12)type of connectable conductor cross-sections | | · · · · · · | |
| finely stranded without core end processing2x (0.5 2.5 mm²)• at AWG cables for main contacts2x (20 12)type of connectable conductor cross-sections | | | |
| • at AWG cables for main contacts2x (20 12)type of connectable conductor cross-sections • for auxiliary contacts2x (0.5 4 mm²)- solid2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (20 12)- finely stranded data2x (20 12)- product functionYes; with 3RH29- positively driven operation according to IEC 60947- 5-1No- finely strander of proof test interval or service life according to IEC 6052920 y | | | |
| type of connectable conductor cross-sections• for auxiliary contacts- solid2x (0.5 4 mm²)- solid or stranded2x (0.5 4 mm²)- finely stranded with core end processing2x (0.5 2.5 mm²)- finely stranded without core end processing2x (0.5 2.5 mm²)• at AWG cables for auxiliary contacts2x (20 12)AWG number as coded connectable conductor cross section for main contacts20 12Safety related dataproduct functionYes; with 3RH29• positively driven operation according to IEC 60947-4-1 • positively driven operation according to IEC 60947-Yes; with 3RH29T1 value for proof test interval or service life according to IEC 6150820 y | finely stranded without core end processing | | |
| for auxiliary contacts solid solid or stranded solid or stranded with core end processing solid (0.5 4 mm²) solid or stranded without core end processing solid (0.5 2.5 mm²) solid or stranded without core end processing solid (0.5 2.5 mm²) solid (0.5 2.5 mm | | 2x (20 12) | |
| solid2x (0.5 4 mm²) solid or stranded2x (0,5 4 mm²) finely stranded with core end processing2x (0,5 2.5 mm²) finely stranded without core end processing2x (0.5 2.5 mm²) finely stranded without core end processing2x (20 12)AWG cables for auxiliary contacts20 12AWG number as coded connectable conductor cross section for main contacts20 12Safety related data | | | |
| solid or stranded2x (0,5 4 mm²) finely stranded with core end processing2x (0,5 2.5 mm²) finely stranded without core end processing2x (0,5 2.5 mm²) finely stranded without core end processing2x (20 12)AWG cables for auxiliary contacts20 12AWG number as coded connectable conductor cross section for main contacts20 12Safety related data | - | | |
| finely stranded with core end processing finely stranded without core end processing 2 x (0.5 2.5 mm²) 2 x (0.5 2.5 mm²) 2 x (0.5 2.5 mm²) 2 x (20 12)AWG number as coded connectable conductor cross section for main contacts20 12Safety related dataYes; with 3RH29product function • mirror contact according to IEC 60947-4-1 5-1Yes; with 3RH29 NoT1 value for proof test interval or service life according to IEC 6150820 yprotection class IP on the front according to IEC 60529IP20 | — solid | | |
| finely stranded without core end processing • at AWG cables for auxiliary contacts2x (0.5 2.5 mm²) 2x (20 12)AWG number as coded connectable conductor cross section for main contacts20 12Safety related data20 12product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947- 5-1Yes; with 3RH29 NoT1 value for proof test interval or service life according to IEC 6150820 yprotection class IP on the front according to IEC 60529IP20 | | · · · | |
| • at AWG cables for auxiliary contacts2x (20 12)AWG number as coded connectable conductor cross section for main contacts20 12Safety related data | | | |
| AWG number as coded connectable conductor cross section for main contacts 20 12 Safety related data | | | |
| section for main contacts Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947- positively driven operation according to IEC 60947- T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60947- IP20 | - | | |
| product function • mirror contact according to IEC 60947-4-1 Yes; with 3RH29 • positively driven operation according to IEC 60947- 5-1 No T1 value for proof test interval or service life according to IEC 61508 20 y protection class IP on the front according to IEC 60529 IP20 | | 20 12 | |
| • mirror contact according to IEC 60947-4-1 Yes; with 3RH29 • positively driven operation according to IEC 60947- 5-1 No T1 value for proof test interval or service life according to IEC 61508 20 y protection class IP on the front according to IEC 60529 IP20 | afety related data | | |
| • positively driven operation according to IEC 60947- 5-1 No T1 value for proof test interval or service life according to IEC 61508 IProtection class IP on the front according to IEC 60529 IP20 | product function | | |
| 5-1 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529 | mirror contact according to IEC 60947-4-1 | Yes; with 3RH29 | |
| IEC 61508 IP20 protection class IP on the front according to IEC IP20 | | No | |
| 60529 | | 20 y | |
| touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front | | IP20 | |
| | touch protection on the front according to IEC 60529 | finger-safe, for vertical contact from the front | |
| Certificates/ approvals | ertificates/ approvals | | |
| General Product Approval EMC | General Product Approval | | EMC |





last modified:

8/26/2021 🖸