SIEMENS

Data sheet

3RB3046-1UB0

Overload relay 12.5...50 A for motor protection Size S3, Class 10E Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset



Figure similar

| SIRIUS | | |
|----------------------------|--|--|
| solid-state overload relay | | |
| 3RB3 | | |
| | | |
| S3 | | |
| S3 | | |
| 0.9 W | | |
| 1 000 V | | |
| | | |
| 8 kV | | |
| | | |
| 300 V | | |
| | | |
| 300 V | | |
| | | |
| 600 V | | |
| | | |
| | | |

| in networks with grounded star point between | 690 V | | |
|--|---|--|--|
| main and auxiliary circuit | | | |
| Protection class IP | | | |
| • on the front | IP20 | | |
| • of the terminal | IP00 | | |
| Shock resistance | 8g / 11 ms | | |
| • acc. to IEC 60068-2-27 | 15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 8g / 11 ms | | |
| Thermal current | 50 A | | |
| Recovery time | | | |
| after overload trip with automatic reset typical | 3 min | | |
| after overload trip with remote-reset | 0 min | | |
| after overload trip with manual reset | 0 min | | |
| Type of protection | II (2) G [Ex e] [Ex d] [Ex px] II (2) D [Ex t] [Ex p] | | |
| Certificate of suitability relating to ATEX | PTB 09 ATEX 3001 | | |
| Protection against electrical shock | finger-safe when touched vertically from front acc. to IEC 60529 | | |
| Reference code acc. to DIN EN 81346-2 | F | | |
| Ambient conditions | | | |
| Ambient conditions Installation altitude at height above sea level | | | |
| maximum | 2 000 m | | |
| Ambient temperature | 2 000 11 | | |
| during operation | -25 +60 °C | | |
| during storage | -40 +80 °C | | |
| during storage during transport | -40 +80 °C | | |
| Temperature compensation | -25 +60 °C | | |
| Relative humidity during operation | 10 95 % | | |
| | | | |
| Main circuit | | | |
| Number of poles for main current circuit | 3 | | |
| Adjustable pick-up value current of the current- dependent overload release | 12.5 50 A | | |
| Operating voltage | | | |
| • rated value | 1 000 V | | |
| at AC-3 rated value maximum | 1 000 V | | |
| Operating frequency rated value | 50 60 Hz | | |
| Operating current rated value | 50 A | | |
| Operating power | | | |
| • for three-phase motors at 400 V at 50 Hz | 7.5 22 kW | | |
| • for AC motors at 500 V at 50 Hz | 11 30 kW | | |
| • for AC motors at 690 V at 50 Hz | 11 45 kW | | |
| Auxiliary circuit | | | |
| Design of the auxiliary switch | integrated | | |
| | | | |

Number of NC contacts for auxiliary contacts

1

| Number of NO contacts for auxiliary contacts1Notefor message "tripped"Number of CO contacts0• for auxiliary contacts0Operating current of auxiliary contacts at AC-15•• at 24 V4 A• at 110 V4 A• at 120 V4 A• at 120 V3 A• at 230 V3 AOperating current of auxiliary contacts at DC-13•• at 24 V0.55 A• at 24 V0.3 A• at 10 V0.3 A• at 25 V0.11 A | | |
|--|--|-----------------------------|
| • Notefor message "tripped"Number of CO contacts0• for auxiliary contacts at AC-150• at 24 V4 A• at 110 V4 A• at 120 V4 A• at 120 V3 A• at 24 V6 A• at 25 V3 A• at 24 V0 S5 A• at 25 V0.3 A• at 26 V0.3 A• at 10 V0.3 A• at 125 V0.3 A• at 125 V0.3 A• at 125 V0.3 A• at 20 V0.11 AProtective and monitoring functionsProtective and monitoring functionsProtection of the auxiliary contacts according to ULBool Nation State Algo V rated value• at 480 V rated value• at 480 V rated value• for short-circuit protection of the main circuit• with site-py-side moniting• with site-py-side moniting• required | • Note | for contactor disconnection |
| Number of CO contacts o • for auxiliary contacts 0 Operating current of auxiliary contacts at AC-15 4 • at 24 V 4 • at 120 V 4 • at 230 V 3 Operating current of auxiliary contacts at DC-13 • • at 24 V 2 • at 20 V 0.3 A • at 25 V 0.3 A • at 26 V V 0.3 A • at 26 V V 0.3 A • at 80 V rated value 50 A • at 480 V rated value 50 A • at 480 V rated value 50 A • or oth value or oth corrent of the main circuit 9G: 200 A • of with w | | |
| for auxiliary contacts O Operating current of auxiliary contacts at AC-15 at 24 V 4 A at 110 V 4 A at 120 V 4 A at 120 V 4 A at 230 V 3 A at 230 V 2 A at 24 V at 24 V 0.55 A at 110 V 0.3 A at 125 V 0.3 A at 220 V 0.11 A Protective and monitoring functions The class CLASS 10E electronic | • Note | for message "tripped" |
| Operating current of auxiliary contacts at AC-15 4 A • at 24 V 4 A • at 110 V 4 A • at 120 V 4 A • at 125 V 4 A • at 220 V 3 A Operating current of auxiliary contacts at DC-13 4 A • at 24 V 2 A • at 24 V 0.55 A • at 100 V 0.55 A • at 100 V 0.3 A • at 125 V 0.3 A • at 220 V 0.11 A Protective and monitoring functions Trip class CLASS 10E electronic Design of the overload release electronic JUCSA ratings CLASS 10E Design of the overload release 50 A Contact rating of auxiliary contacts according to UL B600 / R300 Stort-circuit protection of the main circuit 9G: 200 A • for short-circuit protection of the auxiliary switch required 9G: 200 A • with type of assignment 2 required 106 mm • with type of assignment 2 required 106 mm • with type of spacing 106 mm • with side-by-side mounting 124 mm | Number of CO contacts | |
| • at 24 V4 A• at 110 V4 A• at 120 V4 A• at 120 V4 A• at 230 V3 AOperating current of auxiliary contacts at DC-13-• at 24 V2 A• at 24 V0.55 A• at 10 V0.3 A• at 25 V0.3 A• at 220 V0.11 AProjective and monitoring functionsTrip classCLASS 10EDesign of the overload releaseelectronicPublicad current (FLA) for three-phase AC motor• at 480 V rated value50 A• at 600 V rated value50 A• at 600 V rated value50 A• boot / rated value50 A• for short-circuit protection of the main circuit - with type of coordination 1 required - forwardsBeopline to the auxiliary switch required spacing - with side-by-side mounting - forwardsContact posicing - with side-by-side m | for auxiliary contacts | 0 |
| at 110 V 4 A • at 120 V 4 A • at 125 V 4 A • at 230 V 3 A Operating current of auxiliary contacts at DC-13 - • at 24 V 2 A • at 80 V 0.55 A • at 110 V 0.3 A • at 110 V 0.3 A • at 220 V 0.11 A Potestive and monitoring functions - Trip class CLASS 10E Design of the overload release electronic <i>LICSA ratings</i> - Full-load current (FLA) for three-phase AC motor - • at 800 V rated value 50 A • for short-circuit protection of the main circuit - - with type of coordination 1 required g6: 200 A • for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required any Height 106 mm | Operating current of auxiliary contacts at AC-15 | |
| at 120 V 4 A at 125 V 4 A • at 230 V 3 A Operating current of auxiliary contacts at DC-13 - • at 24 V 2 A • at 60 V 0.55 A • at 10 V 0.3 A • at 125 V 0.3 A • at 220 V 0.11 A Protective and monitoring functions - Trip class CLASS 10E Design of the overload release electronic <i>LL/CSA ratings</i> - Full-dod current (FLA) for three-phase AC motor - • at 480 V rated value 50 A • at 600 V rated value 50 A Contact rating of auxiliary contacts according to UL B600 / R300 Experiment (FLA) for three-phase AC motor - • at 600 V rated value 50 A Contact rating of auxiliary contacts according to UL B600 / R300 Experiment (FLA) for three-phase AC motor - • or short-circuit protection of the main circuit - - with type of coordination 1 required gG: 200 A - with type of assignment 2 required gG: 200 A • for short-circuit protection of the auxiliary switch fuse gG: 6 A required 106 mm Width 70 mm Depth 124 mm | ● at 24 V | 4 A |
| at 125 V 4 A • at 230 V 3 A Operating current of auxiliary contacts at DC-13 • at 24 V • at 24 V 2 A • at 26 V 0.55 A • at 10 V 0.3 A • at 110 V 0.3 A • at 220 V 0.11 A Protective and monitoring functions Trip class CLASS 10E Design of the overload release electronic 20 V <i>LI/CSA ratings</i> Full-load current (FLA) for three-phase AC motor • at 480 V rated value 50 A • at 480 V rated value 50 A • at 800 V rated value 50 A • at 600 V rated value 50 A • at 600 V rated value 60 A Contact rating of auxiliary contacts according to UL Beoin of the fuse link 66: 200 A • for short-circuit protection of the main circuit g6: 200 A • or short-circuit protection of the auxiliary switch fuse g6: 6 A required g6: 200 A • for short-circuit protection of the auxiliary switch fuse g6: 6 A required form g6: 200 A • for short-circuit protection of the auxiliary switch fuse g6: 6 A required | ● at 110 V | 4 A |
| ait 230 V 3 A Operating current of auxiliary contacts at DC-13 - • at 24 V 2 A • at 60 V 0.55 A • at 110 V 0.3 A • at 22 V 0.3 A • at 220 V 0.11 A Protective and monitoring functions CLASS 10E Trip class CLASS 10E Design of the overload release electronic <i>JL/CSA ratings</i> FUI-Idead current (FLA) for three-phase AC motor • at 480 V rated value 50 A • at 600 V rated value 50 A • for short-circuit protection of the main circuit gG: 200 A - with type of assignment 2 required gG: 200 A • for short-circuit protection of the auxiliary switch required gG: 200 A • for short-circuit protection of the auxiliary switch required gG: 200 A • for short-circuit protection of the auxiliary switch required gG: 200 A • for short-circuit protection of the au | • at 120 V | 4 A |
| Operating current of auxiliary contacts at DC-13 2 A • at 24 V 2 A • at 60 V 0.55 A • at 110 V 0.3 A • at 125 V 0.3 A • at 220 V 0.11 A Protective and monitoring functions Trip class CLASS 10E Design of the overload release electronic JL/CSA ratings SIA Full-load current (FLA) for three-phase AC motor 50 A • at 480 V rated value 50 A • at 600 V rated value 50 A • at 600 V rated value 50 A • at 600 V rated value 50 A • or short-circuit protection of the main circuit g6: 200 A - with type of assignment 2 required g6: 200 A - with type of coordination 1 required g6: 200 A - with type of assignment 2 required g6: 200 A • for short-circuit protection of the auxiliary switch required g6: 200 A • for short-circuit protection of the auxiliary switch required g6: 200 A • for short-circuit protection of the auxiliary switch required g6: 200 A • for short-circuit protection of the auxiliary switch required g6: 200 A | • at 125 V | 4 A |
| • at 24 V2 A• at 60 V0.55 A• at 110 V0.3 A• at 125 V0.3 A• at 220 V0.11 AProtective and monitoring functionsETrip classCLASS 10EDesign of the overload releaseelectronicJL/CSA ratingsEFull-load current (FLA) for three-phase AC motor50 A• at 480 V rated value50 A• at 600 V rated value50 A• at 600 V rated value50 A• for short-circuit protection of the main circuitB600 / R300Short-circuit protection of the main circuitgG: 200 A• for short-circuit protection of the auxiliary switch requiredgG: 200 A• for short-circuit protection of the auxiliary switch requiredanyHeight106 mmWidth70 mmDepth124 mmRequired spacing • with side-by-side mounting — forwards0 mm | • at 230 V | 3 A |
| at 60 V 0.55 A at 10 V 0.3 A at 125 V 0.3 A at 220 V 0.11 A Protective and monitoring functions Trip class CLASS 10E Design of the overload release electronic UL/CSA ratings Full-load current (FLA) for three-phase AC motor at 480 V rated value at 600 V rated value 50 A at 600 V rated value 50 A contact rating of auxiliary contacts according to UL B600 / R300 Short-circuit protection Design of the fuse link • for short-circuit protection of the main circuit gG: 200 A - with type of coordination 1 required gG: 200 A • for short-circuit protection of the auxiliary switch required fuse gG: 6 A • for short-circuit protection of the auxiliary switch required fuse gG: 6 A • for short-circuit protection of the auxiliary switch required fuse gG: 6 A • for short-circuit protection of the auxiliary switch required fuse gG: 6 A • for short-circuit protection any Height 06 mm Mounting position any He | Operating current of auxiliary contacts at DC-13 | |
| et 110 V 0.3 A • at 125 V 0.3 A • at 220 V 0.11 A Protective and monitoring functions Image: CLASS 10E Design of the overload release electronic Design of the overload release electronic <i>ULCSA ratings</i> 50 A Full-load current (FLA) for three-phase AC motor 50 A • at 480 V rated value 50 A • at 600 V rated value 50 A Contact rating of auxiliary contacts according to UL B600 / R300 Short-circuit protection B600 / R300 Paign of the fuse link 6G: 200 A • for short-circuit protection of the main circuit - with type of coordination 1 required - with type of coordination 1 required gG: 200 A • for short-circuit protection of the auxiliary switch required gG: 200 A • for short-circuit protection of the auxiliary switch required any Height 106 mm Width 70 mm Depth 124 mm Required spacing - with side-by-side mounting • with side-by-side mounting 0 mm | • at 24 V | 2 A |
| • at 125 V 0.3 A • at 220 V 0.11 A Protective and monitoring functions CLASS 10E Design of the overload release electronic Design of the overload release electronic <i>ULCSA ratings</i> The class Full-load current (FLA) for three-phase AC motor electronic • at 800 V rated value 50 A • at 800 V rated value 50 A • at 800 V rated value 50 A • ot at 00 V rated value 50 A • ot 800 V rated value 50 A • for short-circuit protection of the main circuit gG: 200 A • for short-circuit protection of the auxiliary switch fuse gG: 6 A • for short-circuit protection of the auxiliary switch fuse gG: 6 A • for short-circuit protection of the auxiliary switch 106 mm • for short-circuit protection of the auxiliary switch 106 mm • for | ● at 60 V | 0.55 A |
| • at 220 V 0.11 A Protective and monitoring functions CLASS 10E Design of the overload release electronic <i>JUCSA ratings</i> Electronic <i>Full-Cad current (FLA) for three-phase AC motor</i> 50 A • at 480 V rated value 50 A • at 600 V rated value 50 A • at 600 V rated value 50 A • of the fuse link 600 / R300 Fort-circuit protection B600 / R300 Short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required gG: 200 A • for short-circuit protection of the auxiliary switch fuse gG: 6 A required 106 mm Mounting position any Height 106 mm Width 70 mm Depth 124 mm Required spacing • with side-by-side mounting • with side-by-side mounting 0 mm | ● at 110 V | 0.3 A |
| Protective and monitoring functions Trip class CLASS 10E Design of the overload release electronic JL/CSA ratings Electronic Full-load current (FLA) for three-phase AC motor at 480 V rated value 50 A at 600 V rated value 50 A Contact rating of auxiliary contacts according to UL B600 / R300 Short-circuit protection B600 / R300 Short-circuit protection of the main circuit with type of coordination 1 required gG: 200 A for short-circuit protection of the auxiliary switch required for short-circuit protection of the auxiliary switch required nestallation/ mounting/ dimensions any Height 106 mm Width 70 mm Depth 124 mm Required spacing with side-by-side mounting with side-by-side mounting 0 mm | ● at 125 V | 0.3 A |
| Trip class CLASS 10E Design of the overload release electronic JL/CSA ratings electronic Full-load current (FLA) for three-phase AC motor 50 A • at 480 V rated value 50 A • at 600 V rated value 50 A • at 600 V rated value 50 A Contact rating of auxiliary contacts according to UL B600 / R300 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 1 required gG: 200 A • for short-circuit protection of the auxiliary switch required fuse gG: 6 A • for short-circuit protection of the auxiliary switch required any • for short-circuit protection of the auxiliary switch required fuse gG: 6 A • for short-circuit protection of the auxiliary switch required any • for short-circuit protection of the auxiliary switch required fuse gG: 6 A • for short-circuit protection of the auxiliary switch required any • for short-circuit protection of the auxiliary switch required fuse gG: 6 A • for short-circuit protection any Height 106 mm | ● at 220 V | 0.11 A |
| Trip class CLASS 10E Design of the overload release electronic JL/CSA ratings electronic Full-load current (FLA) for three-phase AC motor 50 A • at 480 V rated value 50 A • at 600 V rated value 50 A • at 600 V rated value 50 A Contact rating of auxiliary contacts according to UL B600 / R300 Short-circuit protection B600 / R300 Short-circuit protection of the main circuit - with type of coordination 1 required - with type of coordination 1 required gG: 200 A - with type of assignment 2 required gG: 200 A • for short-circuit protection of the auxiliary switch required fuse gG: 6 A netallation/ mounting/ dimensions any Mounting position any Height 106 mm Width 70 mm Depth 124 mm Required spacing orm • with side-by-side mounting 0 mm | | |
| Design of the overload release electronic Full-load current (FLA) for three-phase AC motor at 480 V rated value 50 A at 600 V rated value 50 A Contact rating of auxiliary contacts according to UL B600 / R300 Short-circuit protection B600 / R300 Short-circuit protection gG: 200 A - with type of coordination 1 required gG: 200 A - with type of assignment 2 required gG: 200 A • for short-circuit protection of the main circuit fuse gG: 6 A - with type of assignment 2 required gG: 200 A • for short-circuit protection of the auxiliary switch required fuse gG: 6 A Nounting position any Height 106 mm Width 70 mm Depth 124 mm Required spacing with side-by-side mounting • with side-by-side mounting 0 mm | | |
| PU/CSA ratings Full-load current (FLA) for three-phase AC motor at 480 V rated value 50 A contact rating of auxiliary contacts according to UL 500 / R300 Contact rating of auxiliary contacts according to UL B600 / R300 Short-circuit protection B600 / R300 Design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required gG: 200 A for short-circuit protection of the auxiliary switch required with side-by-side mounting with side-by-side mounting with side-by-side mounting with side-by-side mounting for with side-by-side mounting | | |
| Full-load current (FLA) for three-phase AC motor 50 A • at 480 V rated value 50 A • at 600 V rated value 50 A Contact rating of auxiliary contacts according to UL B600 / R300 Short-circuit protection B600 / R300 Design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required gG: 200 A — with type of assignment 2 required gG: 200 A • for short-circuit protection of the auxiliary switch required fuse gG: 6 A neuting position any Height 106 mm Width 70 mm Depth 124 mm Required spacing • with side-by-side mounting • with side-by-side mounting 0 mm | Design of the overload release | electronic |
| • at 480 V rated value50 A• at 600 V rated value50 AContact rating of auxiliary contacts according to ULB600 / R300Short-circuit protectiongG: 200 A• for short-circuit protection of the main circuit - with type of coordination 1 required • for short-circuit protection of the auxiliary switch requiredgG: 200 A• for short-circuit protection of the auxiliary switch requiredgG: 200 A• for short-circuit protection of the auxiliary switch requiredfuse gG: 6 A• for short-circuit protection of the auxiliary switch requiredanyHeight106 mmWidth70 mmDepth124 mmRequired spacing • with side-by-side mounting - forwards0 mm | UL/CSA ratings | |
| • at 600 V rated value 50 A Contact rating of auxiliary contacts according to UL B600 / R300 Short-circuit protection B600 / R300 Design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required gG: 200 A for short-circuit protection of the auxiliary switch required for short-ci | Full-load current (FLA) for three-phase AC motor | |
| Contact rating of auxiliary contacts according to UL B600 / R300 Short-circuit protection Design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required gG: 200 A with type of assignment 2 required gG: 200 A for short-circuit protection of the auxiliary switch required gG: 200 A • for short-circuit protection of the auxiliary switch required fuse gG: 6 A • nstallation/ mounting/ dimensions any Height 106 mm Width 70 mm Depth 124 mm Required spacing 0 mm | • at 480 V rated value | 50 A |
| Short-circuit protection Design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 200 A - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection • for short-circuit protection • for short-circuit protection • for short-circuit protection • or with side-by-side mounting • forwards 0 mm | • at 600 V rated value | 50 A |
| Design of the fuse link gG: 200 A - with type of coordination 1 required gG: 200 A - with type of assignment 2 required gG: 200 A • for short-circuit protection of the auxiliary switch required fuse gG: 6 A Installation/ mounting/ dimensions any Height 106 mm Width 70 mm Depth 124 mm Required spacing • with side-by-side mounting - forwards 0 mm | Contact rating of auxiliary contacts according to UL | B600 / R300 |
| Design of the fuse link gG: 200 A - with type of coordination 1 required gG: 200 A - with type of assignment 2 required gG: 200 A • for short-circuit protection of the auxiliary switch required fuse gG: 6 A Installation/ mounting/ dimensions any Height 106 mm Width 70 mm Depth 124 mm Required spacing • with side-by-side mounting - forwards 0 mm | Short-circuit protection | |
| for short-circuit protection of the main circuit with type of coordination 1 required gG: 200 A gG: 200 A gG: 200 A fuse gG: 6 A required | | |
| - with type of coordination 1 requiredgG: 200 A- with type of assignment 2 requiredgG: 200 A• for short-circuit protection of the auxiliary switch requiredfuse gG: 6 Anstallation/ mounting/ dimensionsanyMounting position106 mmHeight106 mmVidth70 mmDepth124 mmRequired spacing • with side-by-side mounting — forwards0 mm | | |
| | | qG: 200 A |
| • for short-circuit protection of the auxiliary switch requiredfuse gG: 6 AInstallation/ mounting/ dimensionsanyMounting positionanyHeight106 mmWidth70 mmDepth124 mmRequired spacing • with side-by-side mounting — forwards0 mm | | |
| required http://www.net.org/ans/ans/stallation/mounting/dimensions any | | - |
| Installation/ mounting/ dimensions any Mounting position any Height 106 mm Width 70 mm Depth 124 mm Required spacing 0 mm • with side-by-side mounting 0 mm | | |
| Mounting positionanyHeight106 mmWidth70 mmDepth124 mmRequired spacing • with side-by-side mounting — forwards0 mm | | |
| Height 106 mm Width 70 mm Depth 124 mm Required spacing • with side-by-side mounting — forwards 0 mm | | |
| Width 70 mm Depth 124 mm Required spacing - forwards 0 mm 0 mm | | - |
| Depth 124 mm Required spacing • with side-by-side mounting - forwards 0 mm | | |
| Required spacing • with side-by-side mounting — forwards 0 mm | | |
| • with side-by-side mounting — forwards 0 mm | | |
| — forwards 0 mm | | |
| | | 0 mm |
| — Backwards 0 mm | | |
| | — Backwards | Unin |

| Design of screwdriver shaft | Diameter 5 to 6 mm |
|--|------------------------------------|
| • for auxiliary contacts with screw-type terminals | 0.8 1.2 N·m |
| • for main contacts with screw-type terminals | 4.5 6 N·m |
| Tightening torque | |
| • at AWG conductors for auxiliary contacts | 2x (20 14) |
| finely stranded with core end processing | 1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²) |
| — single or multi-stranded | 1x (0,5 4 mm²), 2x (0,5 2,5 mm²) |
| — solid | 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) |
| for auxiliary contacts | |
| Type of connectable conductor cross-sections | |
| at AWG conductors for main contacts | 1x (10 2/0), 2x (10 1/0) |
| — finely stranded with core end processing | 1x (2,5 50 mm²), 2x (2,5 35 mm²) |
| — single or multi-stranded | 1x (2,5 70 mm²), 2x (2,5 50 mm²) |
| — stranded | 2x 16 mm² |
| — solid | 2x (2.5 16 mm²) |
| • for main contacts | |
| Type of connectable conductor cross-sections | |
| Arrangement of electrical connectors for main current circuit | Top and bottom |
| for auxiliary and control current circuit | screw-type terminals |
| for main current circuit | screw-type terminals |
| Type of electrical connection | |
| removable terminal for auxiliary and control circuit | Yes |
| Product function | |
| Connections/Terminals | |
| — at the side | 6 mm |
| — downwards | 0 mm |
| — upwards | 0 mm |
| — Backwards | 0 mm |
| — forwards | 0 mm |
| • for live parts | |
| — downwards | 0 mm |
| — at the side | 6 mm |
| — upwards | 0 mm |
| — Backwards | 0 mm |
| — forwards | 0 mm |
| for grounded parts | |
| — at the side | 0 mm |
| — downwards | 0 mm |
| — upwards | 0 mm |

| Size of the screwdriver tip | Pozidriv PZ 2 | | | |
|--|---|--|--|--|
| Design of the thread of the connection screw | | | | |
| • for main contacts | M6 | | | |
| of the auxiliary and control contacts | М3 | | | |
| Communication/ Protocol | | | | |
| Type of voltage supply via input/output link master | No | | | |
| Electromagnetic compatibility | | | | |
| Conducted interference | | | | |
| • due to burst acc. to IEC 61000-4-4 | 2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3 | | | |
| due to conductor-earth surge acc. to IEC 61000-4-5 | 2 kV (line to earth) corresponds to degree of severity 3 | | | |
| due to conductor-conductor surge acc. to IEC 61000-4-5 | 1 kV (line to line) corresponds to degree of severity 3 | | | |
| due to high-frequency radiation acc. to IEC 61000-4-6 | 10 V in frequency range 0.15 to 80 MHz, modulation 80 $\%$ AM with 1 kHz | | | |
| Field-bound parasitic coupling acc. to IEC 61000-4-3 | 10 V/m | | | |
| Electrostatic discharge acc. to IEC 61000-4-2 | 6 kV contact discharge / 8 kV air discharge | | | |
| Display | | | | |
| Display version | | | | |
| for switching status | Slide switch | | | |
| Certificates/approvals | | | | |

| General Product | t Approval | | | EMC | For use in haz- ardous loca- tions |
|-----------------|---|----------------------------|-----|--------|--|
| | CSA | | EHC | C-Tick | ATEX |
| Declaration of | Test Certific- | Marine / Shipping | | | |
| Conformity | ates | | | | |
| EG-Konf. | Type Test Certific- ates/Test Report | Lloyd's Register LRS | PRS | RINA | DNVGLCOM/AF |
| other | | | | | |

Confirmation

Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RB3046-1UB0

Cax online generator

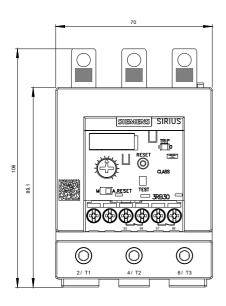
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RB3046-1UB0

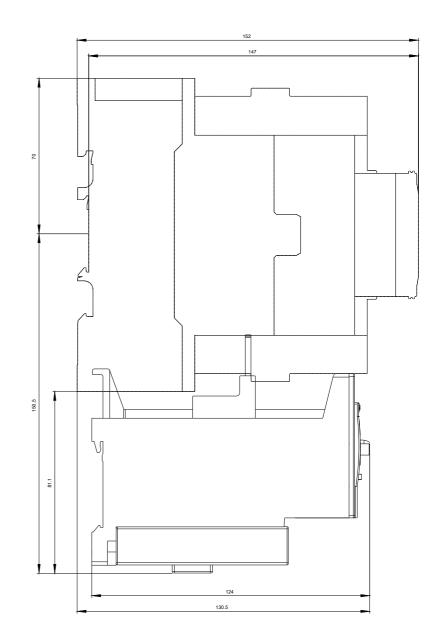
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RB3046-1UB0

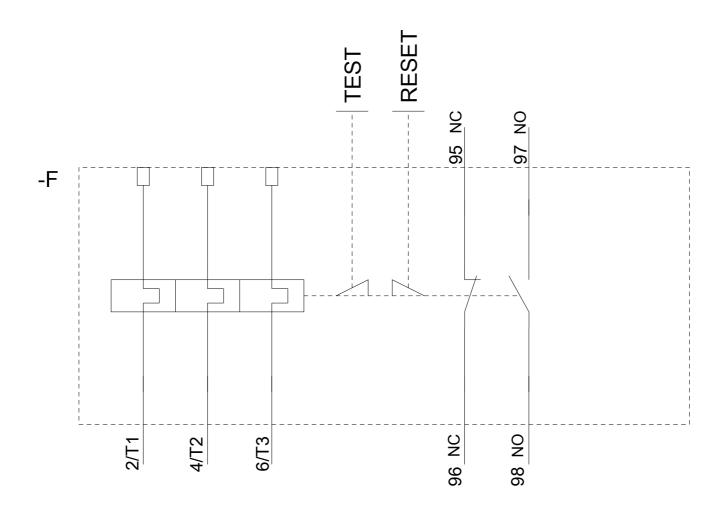
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RB3046-1UB0&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RB3046-1UB0/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RB3046-1UB0&objecttype=14&gridview=view1







last modified:

12/13/2018