## **SIEMENS**

Data sheet 3RB3123-4QB0



Overload relay 6...25 A Electronic For motor protection Size S0, Class 5...30 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset Internal ground fault detection

| product brand name                                                                     | SIRIUS                                                                   |  |  |  |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--|--|--|
| product designation                                                                    | solid-state overload relay                                               |  |  |  |
| product type designation                                                               | 3RB3                                                                     |  |  |  |
| General technical data                                                                 |                                                                          |  |  |  |
| size of overload relay                                                                 | S0                                                                       |  |  |  |
| size of contactor can be combined company-specific                                     | S0                                                                       |  |  |  |
| power loss [W] for rated value of the current at AC in hot operating state             | 1.2 W                                                                    |  |  |  |
| • per pole                                                                             | 0.4 W                                                                    |  |  |  |
| insulation voltage with degree of pollution 3 at AC rated value                        | 690 V                                                                    |  |  |  |
| surge voltage resistance rated value                                                   | 6 kV                                                                     |  |  |  |
| maximum permissible voltage for safe isolation in<br>networks with grounded star point |                                                                          |  |  |  |
| <ul> <li>between auxiliary and auxiliary circuit</li> </ul>                            | 300 V                                                                    |  |  |  |
| <ul> <li>between auxiliary and auxiliary circuit</li> </ul>                            | 300 V                                                                    |  |  |  |
| <ul> <li>between main and auxiliary circuit</li> </ul>                                 | 600 V                                                                    |  |  |  |
| between main and auxiliary circuit                                                     | 690 V                                                                    |  |  |  |
| shock resistance                                                                       | 15g / 11 ms                                                              |  |  |  |
| • acc. to IEC 60068-2-27                                                               | 15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 9g / 11 ms |  |  |  |
| vibration resistance                                                                   | 1-6 Hz, 15 mm; 6-500 Hz, 20 m/s²; 10 cycles                              |  |  |  |
| thermal current                                                                        | 25 A                                                                     |  |  |  |
| recovery time after overload trip                                                      |                                                                          |  |  |  |
| <ul> <li>with automatic reset typical</li> </ul>                                       | 3 min                                                                    |  |  |  |
| <ul><li>with remote-reset</li></ul>                                                    | 0 min                                                                    |  |  |  |
| with manual reset                                                                      | 0 min                                                                    |  |  |  |
| type of protection according to ATEX directive 2014/34/EU                              | Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]             |  |  |  |
| certificate of suitability according to ATEX directive 2014/34/EU                      | PTB 09 ATEX 3001                                                         |  |  |  |
| reference code acc. to IEC 81346-2                                                     | F                                                                        |  |  |  |
| Substance Prohibitance (Date)                                                          | 01.10.2009 00:00:00                                                      |  |  |  |
| Ambient conditions                                                                     |                                                                          |  |  |  |
| installation altitude at height above sea level maximum                                | 2 000 m                                                                  |  |  |  |
| ambient temperature                                                                    |                                                                          |  |  |  |
| <ul> <li>during operation</li> </ul>                                                   | -25 +60 °C                                                               |  |  |  |
| during storage                                                                         | -40 +80 °C                                                               |  |  |  |
| during transport                                                                       | -40 +80 °C                                                               |  |  |  |
| temperature compensation                                                               | -25 +60 °C                                                               |  |  |  |

|                                                                                        | 4005.0/                                    |
|----------------------------------------------------------------------------------------|--------------------------------------------|
| relative humidity during operation                                                     | 10 95 %                                    |
| Main circuit                                                                           |                                            |
| number of poles for main current circuit                                               | 3                                          |
| adjustable current response value current of the<br>current-dependent overload release | 6 25 A                                     |
| operating voltage                                                                      |                                            |
| • rated value                                                                          | 690 V                                      |
| <ul> <li>for remote-reset function at DC</li> </ul>                                    | 24 V                                       |
| at AC-3 rated value maximum                                                            | 690 V                                      |
| operating frequency rated value                                                        | 50 60 Hz                                   |
| operational current rated value                                                        | 25 A                                       |
| operating power                                                                        |                                            |
| • for 3-phase motors at 400 V at 50 Hz                                                 | 3 11 kW                                    |
| for AC motors at 500 V at 50 Hz                                                        | 4 15 kW                                    |
| <ul> <li>for AC motors at 690 V at 50 Hz</li> </ul>                                    | 5.5 22 kW                                  |
| Auxiliary circuit                                                                      |                                            |
| design of the auxiliary switch                                                         | integrated                                 |
| number of NC contacts for auxiliary contacts                                           | 1                                          |
| • note                                                                                 | for contactor disconnection                |
| number of NO contacts for auxiliary contacts                                           | 1                                          |
| • note                                                                                 | for message "tripped"                      |
| number of CO contacts for auxiliary contacts                                           | 0                                          |
| operational current of auxiliary contacts at AC-15                                     | ·                                          |
| • at 24 V                                                                              | 4 A                                        |
| • at 110 V                                                                             | 4 A                                        |
| • at 120 V                                                                             | 4 A                                        |
| • at 125 V                                                                             | 4 A                                        |
| • at 230 V                                                                             | 3 A                                        |
| operational 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 125 V                                                                             | 0.3 A                                      |
| • at 220 V                                                                             | 0.11 A                                     |
| Protective and monitoring functions                                                    |                                            |
| trip class                                                                             | CLASS 5E, 10E, 20E and 30E adjustable      |
| design of the overload release                                                         | electronic                                 |
| response value current of the grounding protection minimum                             | 0.75 x IMotor                              |
| response time of the grounding protection in settled state                             | 1 000 ms                                   |
| operating range of the grounding protection relating                                   |                                            |
| to current set value                                                                   |                                            |
| • minimum                                                                              | IMotor > lower current setting value       |
| • maximum                                                                              | IMotor < upper current setting value x 3.5 |
| UL/CSA ratings                                                                         |                                            |
| full-load current (FLA) for 3-phase AC motor                                           |                                            |
| at 480 V rated value                                                                   | 25 A                                       |
| at 600 V rated value                                                                   | 25 A                                       |
| contact rating of auxiliary contacts according to UL                                   | B600 / R300                                |
| Short-circuit protection                                                               |                                            |
| design of the fuse link                                                                |                                            |
| <ul> <li>for short-circuit protection of the main circuit</li> </ul>                   |                                            |
| <ul> <li>— with type of coordination 1 required</li> </ul>                             | gG: 125 A, RK5: 100 A                      |
| <ul> <li>— with type of assignment 2 required</li> </ul>                               | gG: 63 A, J: 100 A                         |
| <ul> <li>for short-circuit protection of the auxiliary switch<br/>required</li> </ul>  | fuse gG: 6 A                               |
| Installation/ mounting/ dimensions                                                     |                                            |
| mounting position                                                                      | any                                        |
| <del></del>                                                                            |                                            |

| height width depth 94 mm  Connections/Terminals product component removable terminal for auxiliary and control circuit yes of electrical connection  • for main current circuit is for auxiliary and control circuit strangement of electrical connectors for main current circuit is for main current circuit is expected in the connectable conductor cross-sections  • for main contacts is establed in the connectable conductor cross-sections  • for main contacts is establed in the connectable control contact is establed in the connectable conductor cross-sections  • for auxiliary contacts is establed in the contact is established in the conductor end processing is established in the contact is established in the contact is established in the contact is established in the conductor end processing is established in the contact is established in the contact is established in the conductor end processing is established in the conductor end pr | fastening method                                      | Contactor mounting                                                          |                      |                                     |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------------|----------------------|-------------------------------------|--|
| width depth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                       |                                                                             |                      |                                     |  |
| Second Control Contr   |                                                       |                                                                             |                      |                                     |  |
| product component removable terminal for auxiliary and control circuit  type of electrical connection  • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for main contacts  — solid  — stranded — sind or stranded — finely stranded with core end processing • at AWG cables for main contacts  — solid — solid or stranded — finely stranded with core end processing • for auxiliary contacts  — solid — solid or stranded — finely stranded with core end processing • for auxiliary contacts  — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts  — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts  — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts  — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts  — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts  1x (0.5 4 mm²), 2x (1 10 mm²) 1x (1 8), 2x (16 8)  1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.                                                                                                                                                                                                 |                                                       |                                                                             |                      |                                     |  |
| product component removable terminal for auxiliary and control circuit  type of electrical connection  • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for main contacts  — solid  — stranded — sind or stranded — finely stranded with core end processing • at AWG cables for main contacts  — solid — solid or stranded — finely stranded with core end processing • for auxiliary contacts  — solid — solid or stranded — finely stranded with core end processing • for auxiliary contacts  — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts  — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts  — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts  — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts  — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts  1x (0.5 4 mm²), 2x (1 10 mm²) 1x (1 8), 2x (16 8)  1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.                                                                                                                                                                                                 | · · · · · · · · · · · · · · · · · · ·                 |                                                                             |                      |                                     |  |
| control circuit  type of electrical connection  • for main current circuit  • for auxillary and control circuit  arrangement of electrical connectors for main current circuit  Top and bottom  type of connectable conductor cross-sections  • for main contacts  — solid — stranded — finely stranded with core end processing • at AWC cables for main contacts  — solid — solid or stranded — solid or stranded — finely stranded with core end processing • at AWC cables for main contacts  — solid — solid or stranded — finely stranded with core end processing • at AWC cables for auxiliary contacts  — solid — solid or stranded — finely stranded with core end processing • at AWC cables for auxiliary contacts  tightening torque • for main contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts • of the auxiliary and control contacts  Ma  Safety rolated data protection class IP on the front acc. to IEC 60529 communication/ Protocol type of voltage supply via input/output link master  Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-2 • due to high-frequency radiation acc. to IEC 61000-4-2 • due to bigh-frequency radiation acc. to IEC 61000-4-2 • due to high-frequency radiation acc. to IEC 61000-4-2 • filed-based interference acc. to IEC 61000-4-2 • display version for switching status  Silide switch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                       | Yes                                                                         |                      |                                     |  |
| • for main current circuit  arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections • for main contacts  — solid — stranded — sild or stranded — solid or stranded — finely stranded with core end processing • at AVIG cables for main contacts  — solid — solid or stranded — finely stranded with core end processing • at AVIG cables for main contacts  — solid or stranded — finely stranded with core end processing • at AVIG cables for main contacts  — solid or stranded — finely stranded with core end processing • at AVIG cables for main contacts  — solid or stranded — finely stranded with core end processing • at AVIG cables for auxiliary contacts  — solid or stranded — finely stranded with core end processing • at AVIG cables for auxiliary contacts  — tightening torque • for main contacts with screw-type terminals • for auxiliary contacts  — finely stranded with core end processing • at AVIG cables for auxiliary contacts  — finely stranded with core end processing • at AVIG cables for auxiliary contacts  — for auxiliary contac |                                                       |                                                                             |                      |                                     |  |
| * for auxiliary and control circuit     arrangement of electrical connectors for main current circuit     type of connectable conductor cross-sections     * for main contacts         — solid         — stranded         — solid or stranded         — finely stranded with core end processing         * at AWG cables for main contacts         — solid or stranded         — solid or stranded         — solid or stranded with core end processing         * at AWG cables for main contacts         — solid or stranded         — finely stranded with core end processing         * at AWG cables for auxiliary contacts         * tightnehing torque         * for main contacts with screw-type terminals         * for or auxiliary contacts with screw-type terminals         * solid or stranded on the connection screw         * for main contacts with screw-type terminals         * design of screwdriver shaft         size of the screwdriver shaft         size of the screwdriver tip         design of the thread of the connection screw         * for main contacts         * of the auxiliary and control contacts         * and the thread of the connection screw         * for main contacts         * of the auxiliary and control contacts         * and thread of the connection screw         * for was account of the connection screw         * for was account of the connection screw          * due to conductor-earth surge acc. to IEC 61000-4-5          * due to conductor-conductor surge acc. to IEC 61000-4-5          * due to onductor-conductor surge acc. to IEC 61000-4-5          * due to onductor-conductor surge acc. to IEC 61000-4-5          | type of electrical connection                         |                                                                             |                      |                                     |  |
| arrangement of electrical connectors for main current circuit  type of connectable conductor cross-sections  • for main contacts  — solid  — stranded — finely stranded with core end processing • at AWG cables for main contacts  — solid  — solid or stranded with core end processing • at AWG cables for main contacts  — solid — solid or stranded — finely stranded with core end processing • at AWG cables for main contacts  — solid — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts  — solid — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts  — solid sundanded — finely stranded with core end processing • for main contacts with screw-type terminals — for auxiliary contacts with screw-type terminals design of screwdriver shard  size of the screwdriver shard  size of the screwdriver shard  size of the sundiary and control contacts — of the auxiliary in put/butput link master  Electromagnotic compatibility  conducted interference — due to burst acc. to IEC 61000-4-3 — due to conductor-conductor surge acc. to IEC 61000-4-5 — due to burst acc. to IEC 61000-4-5 — due to burst acc. to IEC 61000-4-3 — due to burst acc. to IEC 61000-4-2 — due to bright-frequency radiation acc. to IEC 61000-4-5 — due to burst acc. to IEC 61000-4-3 — due to burst acc. to IEC 61000-4-2 — due to burst acc. to IEC 61000-4-3 — due to burst acc. to IEC 61000-4- | <ul> <li>for main current circuit</li> </ul>          | screw-type terminals                                                        |                      |                                     |  |
| type of connectable conductor cross-sections  - solid - stranded - solid - stranded - finely stranded with core end processing - at AWG cables for main contacts  - solid - solid - stranded - finely stranded with core end processing - at AWG cables for an in contacts  - solid - solid or stranded - finely stranded with core end processing - solid - solid or stranded - solid or stranded - finely stranded with core end processing - solid - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with core end processing - solid or stranded - finely stranded with screw-type terminals - for mailiary contacts - for mailiary contacts with screw-type terminals - design of screwdriver shaft - size of the screwdriver shaft - size of the screwdriver tip - design of the thread of the connection screw - for main contacts - of the auxiliary and control contacts - of the auxiliary and control contacts - of the auxiliary and control contacts - of the auxiliary shaft contacts - of the auxiliary and control contacts - of the conductor protection - on the front acc. to IEC 60529 - protection class IP on the front acc. to IEC 60529 - touch protection on the front acc. to IEC 60529 - touch protection on the front acc. to IEC 60529 - touch protection on the front acc. to IEC 60529 - touch protection on the front acc. to IEC 60529 - touch protection on the front acc. to IEC 60529 - touch protection on the front acc. to IEC 60529 - touch protection on the front acc. to IEC 60529 - touch protection on the front acc. to IEC 60529 - touch protection on the front acc. to IEC 60529 - touch protection on the front acc. to IEC 60529 - touch protection on the front acc. to IEC 60529 - touch protection on the front acc. to IEC 60529 - touch protection on the front acc. to IEC 60529 - touch protection on the front acc. to IEC 60529 - touch protection on the front acc. to IEC 60529 | <ul> <li>for auxiliary and control circuit</li> </ul> | screw-type terminals                                                        |                      |                                     |  |
| Section   Sect   | •                                                     | Top and bottom                                                              |                      |                                     |  |
| solid stranded solid or stranded solid or stranded solid or stranded solid or stranded finely stranded with core end processing at AWG cables for main contacts solid solid solid or stranded solid solid solid solid solid solid or stranded finely stranded with core end processing at AWG cables for auxiliary contacts solid solid or stranded finely stranded with core end processing at AWG cables for auxiliary contacts solid solid or stranded finely stranded with core end processing at AWG cables for auxiliary contacts finely stranded with screw-type terminals for auxiliary contacts with screw-type terminals for main contacts for main cont                                                                                                                                                                                                                                                                            |                                                       |                                                                             |                      |                                     |  |
| - stranded - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts  type of connectable conductor cross-sections • for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts  1x (0.5 4 mm²), 2x (1 10 mm²) 1x (16 8), 2x (16 8)  1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (0.5 2.5 (0.5 2.5 mm²)                                                                                                                                                                                                                                                                                                                                                 | for main contacts                                     |                                                                             |                      |                                     |  |
| - stranded - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts  type of connectable conductor cross-sections • for auxiliary contacts - solid - solid or stranded - finely stranded with core end processing • at AWG cables for main contacts  1x (1.6 8), 2x (16 8)  1x (16 8), 2x (16 8)  1x (16 8), 2x (16 8)  1x (10.5 4 mm²), 2x (0.5 2.5 mm²)  1x (0.5 4 mm²), 2x (0.5 2.5 mm²)  1x (0.5 4 mm²), 2x (0.5 2.5 mm²)  1x (0.5 2.5 mm²), 2x (0.5 2.5 mm²)  1x (0.5 2.5 mm²), 2x (0.5 2.5 mm²)  1x (0.5 2.5 mm²), 2x (0.5 2.5 mm²)  1x (20 14), 2x (20 14)  1x                                                                                                                                                                                                                                                                                                                                                                                                                                          | — solid                                               | 2x (1 2.5 mm²), 2x (2.5 10 r                                                | mm²)                 |                                     |  |
| <ul> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> <li>for auxillary contacts</li> <li>− solid</li> <li>− solid or stranded</li> <li>− finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> <li>− solid or stranded</li> <li>− finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> <li>1x (0.5 4 mm²), 2x (0.5 2.5 mm²)</li> <li>1x (0.5 4 mm²), 2x (0.5 1.5 mm²)</li> <li>2x (0 14)</li> <li>2x (2 14)</li> <li>2x (2</li></ul>                                                                                                                                                                                                                                                                   | — stranded                                            |                                                                             |                      |                                     |  |
| <ul> <li>finely stranded with core end processing</li> <li>at AWG cables for main contacts</li> <li>for auxillary contacts</li> <li>− solid</li> <li>− solid or stranded</li> <li>− finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> <li>− solid or stranded</li> <li>− finely stranded with core end processing</li> <li>at AWG cables for auxiliary contacts</li> <li>1x (0.5 4 mm²), 2x (0.5 2.5 mm²)</li> <li>1x (0.5 4 mm²), 2x (0.5 1.5 mm²)</li> <li>2x (0 14)</li> <li>2x (2 14)</li> <li>2x (2</li></ul>                                                                                                                                                                                                                                                                   | — solid or stranded                                   |                                                                             |                      |                                     |  |
| • at AWG cables for main contacts  type of connectable conductor cross-sections • for auxiliary contacts  - solid - solid or stranded - finely stranded with core end processing • at AWG cables for auxiliary contacts  tightening torque • for main contacts with screw-type terminals • for auxiliary and control contacts • for main contacts • for main contacts • for main contacts • for main contacts  • for main contacts • for main contacts • for main contacts  • for main contacts • for main contacts • for main contacts • for main contacts  Communication/ Protocol  type of voltage supply via input/output link master  Electromagnetic compatibility  conducted interference • due to burst acc. to IEC 61000-4-5 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to high-frequency radiation acc. to IEC 61000-4-5 • due to high-frequency radiation acc. to IEC 61000-4-2 • delectrostatic discharge acc. to IEC 61000-4-2  In W (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line  |                                                       |                                                                             |                      |                                     |  |
| type of connectable conductor cross-sections                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |                                                                             |                      |                                     |  |
| • for auxiliary contacts  — solid — solid or stranded — finely stranded with core end processing • at AWG cables for auxiliary contacts  **tightening torque • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts • of the auxiliary and control contacts  **of the auxiliary and control contacts  **M4  **of the auxiliary and control contacts  **M5  **Safety related data protection class IP on the front acc. to IEC 60529  **touch protection on the front acc. to IEC 60529  **touch protection on the front acc. to IEC 60529  **touch protection on the front acc. to IEC 60529  **Communication/ Protocol  **type of voltage supply via input/output link master  **Electromagnetic compatibility  **conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-carth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 • due to high-frequency radiation acc. to IEC 61000-4-5 • due to high-frequency radiation acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Display  display version for switching status  **Silide switch*  1x (0.5 4 mm²), 2x (0.5 1,5 mm²)  1x (0.5 2,5 mm²), 2x (0.5 1,5 mm²)  1x (0.5 4 mm²), 2x (0.5 1,5 mm²)  1x (20 14), 2x (20 14)  1x (20 14), 2x (20                                                                                                                                                              | type of connectable conductor cross-sections          | ( 1 2)                                                                      |                      |                                     |  |
| - solid - solid or stranded 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) - finely stranded with core end processing • at AWG cables for auxiliary contacts tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip Pozidriv PZ 2  design of the thread of the connection screw • for main contacts • of the auxiliary and control contacts M3  Safety related data protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529  Communication/ Protocol type of voltage supply via input/output link master  Electromagnetic compatibility  conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-conductor surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 • due to to high-frequency radiation acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2  Display display version for switching status  Silde switch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                       |                                                                             |                      |                                     |  |
| - solid or stranded - finely stranded with core end processing • at AWG cables for auxiliary contacts  tightening torque • for main contacts with screw-type terminals • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary and control contacts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ,                                                     | 1x (0.5 4 mm²), 2x (0.5 2.5 mm²)                                            |                      |                                     |  |
| - finely stranded with core end processing  • at AWG cables for auxiliary contacts  tightening torque  • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts • of the auxiliary and control contacts  • of the auxiliary and control contacts  • of the auxiliary and control contacts  Safety related data protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529  top of voltage supply via input/output link master  Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-conductor surge acc. to IEC 61000-4-5 • due to to diph-frequency radiation acc. to IEC 61000-4-5 • due to high-frequency radiation acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Display display version for switching status  1x (20 14), 2x (20 14) 1x (20                                                                                                                                                                                                                                                         | — solid or stranded                                   |                                                                             |                      |                                     |  |
| • at AWG cables for auxiliary contacts  tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip  design of the thread of the connection screw • for main contacts • of the auxiliary and control contacts  M4 • of the auxiliary and control contacts  Safety related data protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 finger-safe, for vertical contact from the front  Communication/ Protocol type of voltage supply via input/output link master  Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-conductor surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 • due to high-frequency radiation acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2  Display display version for switching status  1x (20 14) 2 2.5 N·m  0.8 1.2 N·m  0.9 cidriv PZ 2  0 smm  44  0 porticion Cass IP on the front acc. to EC 6 mm  1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | — finely stranded with core end processing            |                                                                             |                      |                                     |  |
| tightening torque  • for main contacts with screw-type terminals  • for auxiliary contacts with screw-type terminals  • for auxiliary contacts with screw-type terminals  design of screwdriver shaft  size of the screwdriver tip  design of the thread of the connection screw  • for main contacts  • of the auxiliary and control contacts  Safety related data  protection class IP on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  type of voltage supply via input/output link master  Electromagnetic compatibility  conducted interference  • due to burst acc. to IEC 61000-4-4  • due to conductor-earth surge acc. to IEC 61000-4-5  • due to conductor-conductor surge acc. to IEC 61000-4-5  • due to high-frequency radiation acc. to IEC 61000-4-3  electrostatic discharge acc. to IEC 61000-4-2  Display  display version for switching status  2 2.5 N-m  Diameter 5 to 6 mm  Pozidriv PZ 2  Display  display version for switching status  2 2.5 N-m  Diameter 5 to 6 mm  Pozidriv PZ 2   4 2.5 N-m  Diameter 5 to 6 mm  Pozidriv PZ 2  Display  1 P20  finger-safe, for vertical contact from the front  Contucted interferont  A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                       |                                                                             |                      |                                     |  |
| • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals  design of screwdriver shaft  size of the screwdriver tip  design of the thread of the connection screw • for main contacts • of the auxiliary and control contacts  M4  • of the auxiliary and control contacts  M3  Safety related data protection class IP on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  type of voltage supply via input/output link master  Electromagnetic compatibility  conducted interference • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 • due to high-frequency radiation acc. to IEC 61000-4-5 • due to high-frequency radiation acc. to IEC 61000-4-3 10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz  field-based interference acc. to IEC 61000-4-2  Display  display version for switching status  Slide switch  Certificates/ approvals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | · · · · · · · · · · · · · · · · · · ·                 |                                                                             |                      |                                     |  |
| • for auxiliary contacts with screw-type terminals     design of screwdriver shaft     size of the screwdriver tip     design of the thread of the connection screw     • for main contacts     • of the auxiliary and control contacts     M4     • of the auxiliary and control contacts     M3  Safety related data     protection class IP on the front acc. to IEC 60529     touch protection on the front acc. to IEC 60529     touch protection on the front acc. to IEC 60529  Communication/ Protocol     type of voltage supply via input/output link master  Electromagnetic compatibility  conducted interference     • due to burst acc. to IEC 61000-4-4     • due to conductor-canth surge acc. to IEC 61000-4-5     • due to conductor-conductor surge acc. to IEC 61000-4-6     • due to high-frequency radiation acc. to IEC 61000-4-3     • due to high-frequency radiation acc. to IEC 61000-4-3     • due to high-frequency radiation acc. to IEC 61000-4-2     Display  display version for switching status  O .8 1.2 N·m  Diameter 5 to 6 mm  M4  Pozidriv PZ 2  M4  N4  Pozidriv PZ 2  M4  M4  AV  N5  EP20  Fip20  Fip20  No  Electromagnetic contact from the front  No  Electromagnetic contact from the front  AV  No  Electromagnetic compatibility  Conducted interference  - due to burst acc. to IEC 61000-4-3  - due to conductor-conductor surge acc. to IEC 61000-4-3  - due to conductor-canth surge acc. to IEC 61000-4-3  - due to high-frequency radiation acc. to IEC 61000-4-3  - due to high-frequency radiation acc. to IEC 61000-4-3  - due to high-frequency radiation acc. to IEC 61000-4-3  - due to high-frequency radiation acc. to IEC 61000-4-3  - due to high-frequency radiation acc. to IEC 61000-4-3  - due to high-frequency radiation acc. to IEC 61000-4-3  - due to high-frequency radiation acc. to IEC 61000-4-3  - due to high-frequency radiation acc. to IEC 61000-4-3  - due to high-frequency radiation acc. to IEC 61000-4-3  - due to high-frequency radiation acc. to IEC 61000-4-3  - due to high-frequency radiation acc. to IEC 61000-4-3  -          |                                                       | 2 25 N·m                                                                    |                      |                                     |  |
| design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw of the auxiliary and control contacts M4 of the auxiliary and control contacts M3 Safety related data protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 type of voltage supply via input/output link master Electromagnetic compatibility conducted interference odue to burst acc. to IEC 61000-4-4 odue to conductor-earth surge acc. to IEC 61000-4-5 odue to conductor-conductor surge acc. to IEC 61000-4-5 odue to high-frequency radiation acc. to IEC 61000-4-6 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Display display version for switching status  Diameter 5 to 6 mm Pozidriv PZ 2  M4  A4  A5  A5  A6  A6  A7  A7  A8  A8  A9  A9  A9  A9  A9  A9  A9  A9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                       |                                                                             |                      |                                     |  |
| size of the screwdriver tip  design of the thread of the connection screw  of or main contacts of the auxiliary and control contacts  M4  of the auxiliary and control contacts  M3  Safety related data  protection class IP on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  communication/ Protocol  type of voltage supply via input/output link master  Electromagnetic compatibility  conducted interference of due to burst acc. to IEC 61000-4-4  of due to conductor-earth surge acc. to IEC 61000-4-5 of due to conductor-conductor surge acc. to IEC 61000-4-5 of due to high-frequency radiation acc. to IEC 61000-4-6  field-based interference acc. to IEC 61000-4-3 of lelctrostatic discharge acc. to IEC 61000-4-2  Display  display version for switching status  M4  A4  M5  M6  M7  M8  M8  No  2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3  1 kV (line to earth) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corr |                                                       |                                                                             |                      |                                     |  |
| design of the thread of the connection screw                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                       |                                                                             |                      |                                     |  |
| • for main contacts     • of the auxiliary and control contacts  Safety related data  protection class IP on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  Communication/ Protocol  type of voltage supply via input/output link master  Electromagnetic compatibility  conducted interference  • due to burst acc. to IEC 61000-4-4  • due to conductor-earth surge acc. to IEC 61000-4-5  • due to conductor-conductor surge acc. to IEC 61000-4-5  • due to high-frequency radiation acc. to IEC 61000-4-3  • due to high-frequency radiation acc. to IEC 61000-4-3  electrostatic discharge acc. to IEC 61000-4-2  Display  display version for switching status  M4  M3  M3  M4  M3  M3  M4  M3  M3   M4  M3  M3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | · · · · · · · · · · · · · · · · · · ·                 | _ 1 324111 1 2 2                                                            |                      |                                     |  |
| Safety related data  protection class IP on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  type of voltage supply via input/output link master  Electromagnetic compatibility  conducted interference  • due to burst acc. to IEC 61000-4-4  • due to conductor-carth surge acc. to IEC 61000-4-5  • due to conductor-conductor surge acc. to IEC 61000-4-5  • due to high-frequency radiation acc. to IEC 61000-4-6  field-based interference acc. to IEC 61000-4-3  electrostatic discharge acc. to IEC 61000-4-2  Display  display version for switching status  IP20  finger-safe, for vertical contact from the front  No  2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3  1 kV (line to earth) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz  field-based interference acc. to IEC 61000-4-3  electrostatic discharge acc. to IEC 61000-4-2  Display  display version for switching status  Slide switch  Certificates/ approvals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | _                                                     | M4                                                                          |                      |                                     |  |
| Safety related data  protection class IP on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  type of voltage supply via input/output link master  Electromagnetic compatibility  conducted interference  • due to burst acc. to IEC 61000-4-4  • due to conductor-carth surge acc. to IEC 61000-4-5  • due to conductor-conductor surge acc. to IEC 61000-4-5  • due to high-frequency radiation acc. to IEC 61000-4-6  field-based interference acc. to IEC 61000-4-3  electrostatic discharge acc. to IEC 61000-4-2  Display  display version for switching status  IP20  finger-safe, for vertical contact from the front  No  2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3  1 kV (line to earth) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz  field-based interference acc. to IEC 61000-4-3  electrostatic discharge acc. to IEC 61000-4-2  Display  display version for switching status  Slide switch  Certificates/ approvals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | of the auxiliary and control contacts                 |                                                                             |                      |                                     |  |
| touch protection on the front acc. to IEC 60529  touch protection on the front acc. to IEC 60529  type of voltage supply via input/output link master  No  Electromagnetic compatibility  conducted interference  • due to burst acc. to IEC 61000-4-4  • due to conductor-earth surge acc. to IEC 61000-4-5  • due to conductor-conductor surge acc. to IEC 61000-4-5  • due to high-frequency radiation acc. to IEC 61000-4-3  field-based interference acc. to IEC 61000-4-3  electrostatic discharge acc. to IEC 61000-4-2  Display  display version for switching status  IP20  finger-safe, for vertical contact from the front  No  2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3  1 kV (line to earth) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1  kHz  field-based interference acc. to IEC 61000-4-3  electrostatic discharge acc. to IEC 61000-4-2  Slide switch  Certificates/ approvals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ·                                                     |                                                                             |                      |                                     |  |
| touch protection on the front acc. to IEC 60529  finger-safe, for vertical contact from the front  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  • due to conductor-earth surge acc. to IEC 61000-4-5  • due to conductor-conductor surge acc. to IEC 61000-4-5  • due to high-frequency radiation acc. to IEC 61000-4-6  field-based interference acc. to IEC 61000-4-3  electrostatic discharge acc. to IEC 61000-4-2  Display  display version for switching status  finger-safe, for vertical contact from the front  notation in the front  No  2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3  1 kV (line to earth) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1  kHz  field-based interference acc. to IEC 61000-4-3  electrostatic discharge acc. to IEC 61000-4-2  Slide switch  Certificates/ approvals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                       | IP20                                                                        |                      |                                     |  |
| type of voltage supply via input/output link master  Electromagnetic compatibility  conducted interference  • due to burst acc. to IEC 61000-4-4  • due to conductor-earth surge acc. to IEC 61000-4-5  • due to conductor-conductor surge acc. to IEC 61000-4-5  • due to high-frequency radiation acc. to IEC 61000-4-6  field-based interference acc. to IEC 61000-4-3  electrostatic discharge acc. to IEC 61000-4-2  Display  display version for switching status  No  2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3  2 kV (line to earth) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz  Field-based interference acc. to IEC 61000-4-3  electrostatic discharge acc. to IEC 61000-4-2  Slide switch  Certificates/ approvals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ·                                                     |                                                                             |                      |                                     |  |
| Electromagnetic compatibility  conducted interference  • due to burst acc. to IEC 61000-4-4  • due to conductor-earth surge acc. to IEC 61000-4-5  • due to conductor-conductor surge acc. to IEC 61000-4-5  • due to conductor-conductor surge acc. to IEC 61000-4-5  • due to high-frequency radiation acc. to IEC 61000-4-6  • due to high-frequency radiation acc. to IEC 61000-4-6  field-based interference acc. to IEC 61000-4-3  • delectrostatic discharge acc. to IEC 61000-4-2  Display  display version for switching status  Certificates/ approvals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ·                                                     | migor care, for vertical contact if                                         | TOTAL CHOICE         |                                     |  |
| Electromagnetic compatibility  conducted interference  • due to burst acc. to IEC 61000-4-4  • due to conductor-earth surge acc. to IEC 61000-4-5  • due to conductor-conductor surge acc. to IEC 61000-4-5  • due to conductor-conductor surge acc. to IEC 61000-4-5  • due to high-frequency radiation acc. to IEC 61000-4-6  • due to high-frequency radiation acc. to IEC 61000-4-6  field-based interference acc. to IEC 61000-4-3  • delectrostatic discharge acc. to IEC 61000-4-2  Display  display version for switching status  Certificates/ approvals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | type of voltage supply via input/output link master   | No                                                                          |                      |                                     |  |
| conducted interference  • due to burst acc. to IEC 61000-4-4  • due to conductor-earth surge acc. to IEC 61000-4-5  • due to conductor-conductor surge acc. to IEC 61000-4-5  • due to high-frequency radiation acc. to IEC 61000-4-6  field-based interference acc. to IEC 61000-4-3  electrostatic discharge acc. to IEC 61000-4-2  Display  display version for switching status  2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3  1 kV (line to earth) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  1 kV (line to line) corresponds to degree of severity 3  10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1  kHz  Field-based interference acc. to IEC 61000-4-3  6 kV contact discharge / 8 kV air discharge  Display  display version for switching status  Slide switch  Certificates/ approvals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Electromagnetic compatibility                         |                                                                             |                      |                                     |  |
| <ul> <li>due to burst acc. to IEC 61000-4-4</li> <li>due to conductor-earth surge acc. to IEC 61000-4-5</li> <li>due to conductor-conductor surge acc. to IEC 61000-4-5</li> <li>due to high-frequency radiation acc. to IEC 61000-4-6</li> <li>field-based interference acc. to IEC 61000-4-3</li> <li>electrostatic discharge acc. to IEC 61000-4-2</li> <li>Display</li> <li>dive to burst acc. to IEC 61000-4-5</li> <li>due to conductor-earth surge acc. to IEC 61000-4-5</li> <li>kV (line to earth) corresponds to degree of severity 3</li> <li>tV (line to line) corresponds to degree of severity 3</li> <li>tV (line to line) corresponds to degree of severity 3</li> <li>tV (line to line) corresponds to degree of severity 3</li> <li>tV (line to line) corresponds to degree of severity 3</li> <li>tV (line to line) corresponds to degree of severity 3</li> <li>tV (line to line) corresponds to degree of severity 3</li> <li>tV (line to line) corresponds to degree of severity 3</li> <li>tV (line to line) corresponds to degree of severity 3</li> <li>tV (line to line) corresponds to degree of severity 3</li> <li>tV (line to line) corresponds to degree of severity 3</li> <li>tV (line to line) corresponds to degree of severity 3</li> <li>tV (line to line) corresponds to degree of severity 3</li> <li>tV (line to line) corresponds to degree of severity 3</li> <li>tV (line to line) corresponds to degree of severity 3</li> <li>tV (line to line) corresponds to degree of severity 3</li> <li>tV (line to line) corresponds to degree of severity 3</li> <li>tV (line to line) corresponds to degree of severity 3</li> <li>tV (line to line) corresponds to degree of severity 3</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                       |                                                       |                                                                             |                      |                                     |  |
| <ul> <li>due to conductor-conductor surge acc. to IEC 61000-4-5</li> <li>due to high-frequency radiation acc. to IEC 61000-4-6</li> <li>field-based interference acc. to IEC 61000-4-3</li> <li>electrostatic discharge acc. to IEC 61000-4-2</li> <li>Display</li> <li>div (line to line) corresponds to degree of severity 3</li> <li>10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz</li> <li>10 V/m</li> <li>6 kV contact discharge / 8 kV air discharge</li> <li>Slide switch</li> <li>Certificates/ approvals</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       | 2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3 |                      |                                     |  |
| <ul> <li>due to conductor-conductor surge acc. to IEC 61000-4-5</li> <li>due to high-frequency radiation acc. to IEC 61000-4-6</li> <li>field-based interference acc. to IEC 61000-4-3</li> <li>electrostatic discharge acc. to IEC 61000-4-2</li> <li>Display</li> <li>div (line to line) corresponds to degree of severity 3</li> <li>10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz</li> <li>10 V/m</li> <li>6 kV contact discharge / 8 kV air discharge</li> <li>Slide switch</li> <li>Certificates/ approvals</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | • due to conductor-earth surge acc. to IEC 61000-4-5  | 2 kV (line to earth) corresponds                                            | to degree of severit | y 3                                 |  |
| 4-6 kHz  field-based interference 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | due to conductor-conductor surge acc. to IEC          |                                                                             |                      |                                     |  |
| electrostatic discharge acc. to IEC 61000-4-2  Display  display version for switching status  Certificates/ approvals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | . ,                                                   |                                                                             |                      |                                     |  |
| Display display version for switching status Slide switch Certificates/ approvals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | field-based interference acc. to IEC 61000-4-3        | 10 V/m                                                                      |                      |                                     |  |
| display version for switching status  Certificates/ approvals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | electrostatic discharge acc. to IEC 61000-4-2         | 6 kV contact discharge / 8 kV air discharge                                 |                      |                                     |  |
| Certificates/ approvals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Display                                               |                                                                             |                      |                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | display version for switching status                  | Slide switch                                                                |                      |                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Certificates/ approvals                               |                                                                             |                      |                                     |  |
| General Product Approval  EMC For use in haza ous locations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | General Product Approval                              | E                                                                           | EMC                  | For use in hazard-<br>ous locations |  |













Declaration of Conformity

**Test Certificates** 

Marine / Shipping



Special Test Certificate

Type Test Certificates/Test Report







Marine / Shipping

other





Confirmation

## **Further information**

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RB3123-4QB0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RB3123-4QB0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RB3123-4QB0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

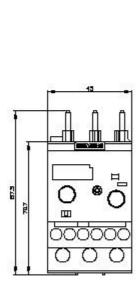
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RB3123-4QB0&lang=en

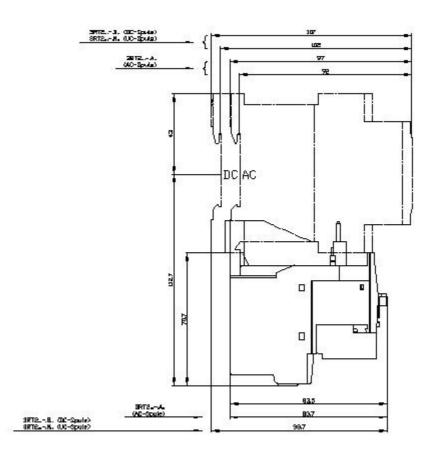
Characteristic: Tripping characteristics, I2t, Let-through current

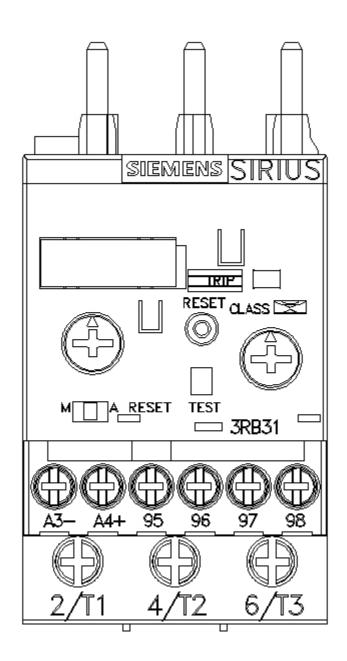
https://support.industry.siemens.com/cs/ww/en/ps/3RB3123-4QB0/char

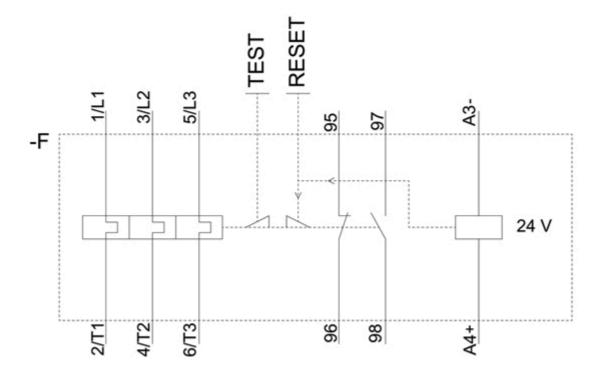
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RB3123-4QB0&objecttype=14&gridview=view1









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