



9.0.0

Totally Integrated Power

Version 9.0 (Main Version) 02/2016

- System compatibility
 - SIMARIS design 9.0 allows to load projects of Version 4.0, 4.1, 5.0, 6.x, 7.x and 8.x.
- New functions
 - Integration of frequency converters (built-in units and cabinet units)
 - Additional selection of IDMT protection for medium-voltage relay
 - Calculation of networks with ventilated transformers
 - Output of cumulated lengths on the basis of IEC 60364-8-1 (VDE 0100 Part 801) for determining of load centers
 - Activation and deactivation of operating modes to display calculation results for separate operating modes
 - Busbar section without source
- Adaptation of functions
 - Actualization of fuse protection table for transformers
 - YD starter: adaptation of voltage drop calculation inclusive default starting current ratio
 - Expansion of DI type for new products
- Newly integrated products and systems
 - 3VA2 circuit-breaker up to 630 A in the automatic dimensioning
 - Inclusive motor protection and ETU340 (ELISA)
 - 3VA1 circuit-breaker with TMTU up to 250 A (manual selection)
 - 3VA1 circuit-breaker motor protection up to 200 A (manual selection)
 - 3VA1 switch disconnecter up to 250 A (manual selection)
 - 3WL12 frame size 2 circuit-breaker 130kA
 - LI busbar system: Integration of functional endurance
 - Transformers on the basis of EU Eco-Design Regulation No. 548/2014 for EU countries
 - SIRIUS 3RV2 size 2 14-80A
 - 3LD2 main switch (manual selection)
- Data adaptations and expansions of products and systems
 - Data update of the BD01 busbar trunking system: mounting type vertical
 - Data update of the BD2 busbar trunking system: integration degree of protection IP55
 - Data update of the busbar trunking system: Deletion functional endurance class E120
 - Update of characteristic curves for 3VT1 and 5SL4
 - Data update 3KD
 - Automatic dimensioning of RCD/RCCB 5SV
- Various little functional adjustments
- Interfaces
 - Interface to SIMARIS project (transfer file from SIMARIS design) expanded by new devices incl. automatic assignment to matching systems and automatic configuration
 - Project data transfer from SIMARIS design 9.0 to SIMARIS project 5.0 is possible by way of the transfer file, project data transfer to previous versions (SIMARIS project 4.1 and earlier) is not possible with SIMARIS design 9.0
 - Settings of protective devices calculated in SIMARIS design can be transferred to powerconfig 3.5 via an export file from SIMARIS design (.SX), so they can be used directly for parameterization of the communication capable protective devices with powerconfig 3.5.

- Documentation
 - The Tutorial was updated to Version 9.0. In the program, it can be called up from the Help menu → Tutorial.
 - The program help was updated to Version 9.0. In the program, it can be called up from the Help menu → Help.
 - Information concerning SIMARIS design in the Technical Manual was updated to Version 9.0. In the program, it can be called up from the Help menu → Technical manual.
- Correction of minor errors
- ▶ www.siemens.com/simarisdg

Version 8.1 (Update) 01/2015

- System compatibility
 - SIMARIS design 8.1 allows to load projects of Version 4.0, 4.1, 5.0, 6.x, 7.x and 8.0.
- Newly integrated products and systems
 - 3VA2 circuit-breaker up to 630 A (up to 400 A used in the automatic dimensioning cycle, manual selection from 400 A to 630 A)
 - 3VA1 circuit-breaker up to bis 160 A (manual selection)
 - 3VA9 RCD module for mounting on the 3VA1 and 3VA2 circuit-breaker
 - Selective 5SP3 main miniature circuit breaker up to 100 A (up to 63 A in mounting rail design)
 - Only for China: 5SY4/6/7...CC miniature circuit-breaker
 - 7SJ82 medium-voltage relay
 - Only for Brazil: local transformer data (type designations and technical data)
 - Busbar trunking system LIC (copper)
- Data adaptations and expansions of products and systems
 - Data update of the BD2 busbar trunking system
 - Data update of the LD busbar trunking system
 - Data update (expansion) of motor starter combinations using SIMOCODE, coordination type 2, now max. 355 kW
- Various little functional adjustments
- Interfaces
 - Interface to SIMARIS project (transfer file from SIMARIS design) expanded by new devices incl. automatic assignment to matching systems and automatic configuration
 - Project data transfer from SIMARIS design 8.1 to SIMARIS project 4.1 is possible by way of the transfer file, project data transfer from previous versions (SIMARIS project 4.0 and earlier) is not possible with SIMARIS design 8.1
 - Settings of protective devices calculated in SIMARIS design can be transferred to powerconfig 3.3 via an export file from SIMARIS design (.SX), so they can be used directly for parameterization of the communication capable protective devices with powerconfig 3.3.
- Documentation
 - In the data output variant "Device list sorted by distribution boards", a product short name (DI type) will from now on be listed which is common in China, for example, but can also be used for other countries.
 - The Tutorial was updated to Version 8.1. In the program, it can be called up from the Help menu → Tutorial.
 - The program help was updated to Version 8.1. In the program, it can be called up from the Help menu → Help.
 - Information concerning SIMARIS design in the Technical Manual was updated to Version 8.1. In the program, it can be called up from the Help menu → Technical manual.
- Correction of minor errors
- ▶ www.siemens.com/simarisdg

Version 8.0 (Main Version) 03/2014

- System compatibility
 - SIMARIS design 8.0 allows to load projects of Version 4.0, 4.1, 5.0, 6.x and 7.x.
 - New functions
 - The reduction factors for harmonics are taken into account for cables on the basis of DIN VDE 0100-520 Addendum 3 (VDE 0100-520 Addendum 3):2012-10.
 - Fuse-protected systems may also be chosen to protect uni-directional couplings.
 - In the power loss overview for circuits, the apparent power of the circuits will now also be listed.
 - Only for China: DI types can be chosen as labelling variants in the configurable network diagram.
 - Only for Germany: Use of selective 5SP3 main miniature circuit-breakers enabled for cable protection
 - New output variant: The table including all protective device settings can be exported
 - Import- and export option for all selected settings in the configurable network diagram
 - Adaptation of functions
 - The function of 'Separate protection of parallel cables in feed-in circuits' now extended: the number of cables and those connected to a protective device can now be selected
 - Adaptation of the cable current carrying capacities for burying in the ground (D1, D2) in accordance with DIN VDE 0298-4/IEC60364-5-52
 - Newly integrated products and systems
 - 3VA2 circuit-breaker up to 250 A
 - 3KD switch disconnecter
 - 5SL4 miniature circuit-breaker
 - Only for India: miniature circuit-breaker 5SL6...RC
 - 5SV residual current protective device
 - Only for Austria: 5SM3 residual current protective device
 - Only for China: 5SM9 residual current protective device
 - Only for Austria: Combination of residual current protective device plus miniature circuit-breaker: 5SU1
 - Only for China: Combination of residual current protective device plus miniature circuit-breaker: 5SV9
 - Compact feeder, 3RA6 direct starter (manual selection)
 - Reyrolle 7SR11/12 medium-voltage protection devices
 - LIA (aluminium) busbar trunking system
 - Documentation
 - The Tutorial was updated to Version 8.0. In the program, it can be called up from the Help menu → Tutorial.
 - The program help was updated to Version 8.0. In the program, it can be called up from the Help menu → Help.
 - Information concerning SIMARIS design in the Technical Manual was updated to Version 8.0. In the program, it can be called up from the Help menu → Technical manual.
- ▶ www.siemens.com/simarisdesign