SIEMENS
Ingenuity for life

What's new?

SIMARIS design

Totally Integrated Power siemens.com/simaris

Version 10.1 (update) 04/2021

- System-compatibility
  - SIMARIS design 10.1 allows to load projects of version 10.0

- New functions
  - Consideration of back-up protection tables

- Newly integrated products and systems
  - 3WA1 circuit-breaker
  - 3WA1 non-automatic circuit-breaker
  - 3VA26 – 1250A circuit-breaker
  - 3VA15 – 1000A circuit-breaker
  - 3VA21-3VA24 E-class circuit-breaker
  - 3V3/3VA24 L-class circuit-breaker
  - 5SL60 circuit-breaker
  - 3NJ63 switch-disconnector with fuses
  - RCBO compact 5SV1
  - LData busbar trunking system incl. tap-off unit

- Data adaptations and expansions of products and systems
  - 5SY4: Expansion rated current 1A/1,6A/2A/3A/4A/8A B-characteristic
  - 3NA: Expansion of portfolio
  - 5SA/5SB: Update technical data
  - 5SD: Update
  - 5SV9: Expansion of portfolio
  - 3RV2: Update characteristic tripping curves
  - LD busbar trunking system: New cross-section and impedances for rated current 1250A
  - FitFormer transformers: Expansion 2000kVA and 2500kVA
  - Frequency converters: Update cable cross-section G120X and update protection devices (3KF and 3RV2)
  - Selectivity database update

- 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 10.1 to SIMARIS project 6.3 is possible by way of the transfer file, project data transfer to previous versions (SIMARIS project 6.2 or earlier) is not possible with SIMARIS design 10.1
    - Settings of protective devices calculated in SIMARIS design 10.1 can be transferred to powerconfig 3.14 via an export file from SIMARIS design 10.1 (.SX), so they can be used directly for parameterization of the communication capable protective devices with powerconfig 3.14

- Various little functional adjustments
- Correction of minor errors

Version 10.0 (full version) 07/2020

- System-compatibility
    - SIMARIS design 10.0 allows not to load projects of older versions

- New functions
    - Dimensioning of radial, ring and meshed networks
    - Calculation of short-circuit currents in radial, ring and meshed networks
    - Phase specific load flow calculation in radial, ring and meshed networks
    - Fault sequence analysis
    - Decentral feed-ins
    - Multiple feed-ins at sub-distribution boards
    - Dimensioning of renewable energy sources (PV, wind, etc.)
    - Consideration of T-unit for busbar trunking systems
    - Adaptable busbar length at main- and sub-distribution boards
    - Cross references in the network plan
    - Fast change of values via tables

- Newly integrated products and systems
    - 3VA27 - 1600A circuit-breaker
    - 3VA13/3VA14 - 400A/630A circuit-breaker
    - 3VM13/3VA14 - 400A/630A circuit-breaker (selected countries)
    - 3VA13/3VA14 - 400A/630A switch disconnector
    - 5SM6 arc fault detection device (AFDD)
    - 3KC transfer switch
    - 3NP1 fuse switch disconnector
    - 5SV3 residual current operated circuit-breaker
    - 3VA9 type B RCD module
    - SIPROTEC 5 5SJ85 medium-voltage relay
    - Reyrolle 7SR10/7SR45 medium-voltage relay
    - GEAFOL Neo Eco stage 2 transformer
    - FITFormer Eco stage 2 transformer
    - SINAMICS G120X frequency converter
    - SICHARGE CC AC22 charging unit
    - 3VA motor starter combinations
    - 3KF motor starter combinations
    - SIRIUS motor starter combinations up to size S3

- Data adaptations and expansions of products and systems
  - 3WL: Update technical data
  - 3WL10: Rating plug added
  - 3VA2 ETU340: New switch configuration
  - 3KD: Automatic dimensioning
  - 3VA2: Automatic dimensioning 440V/500V
  - 5SU1: Icu values added
  - 5SY: New let-through characteristics
  - 5SL: New let-through characteristics
  - LD busbar trunking system: Update technical data
  - BD2 busbar trunking system: Dimensioning of tap-off units with 3VA2

- 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 10.0 to SIMARIS project 6.0 is possible by way of the transfer file, project data transfer to previous versions (SIMARIS project 5.2 or earlier) is not possible with SIMARIS design 10.0
  - Settings of protective devices calculated in SIMARIS design 10.0 can be transferred to powerconfig 3.14 via an export file from SIMARIS design 10.0 (.SX), so they can be used directly for parameterization of the communication capable protective devices with powerconfig 3.14

- Various little functional adjustments

- Correction of minor errors

www.siemens.com/simarisdesign