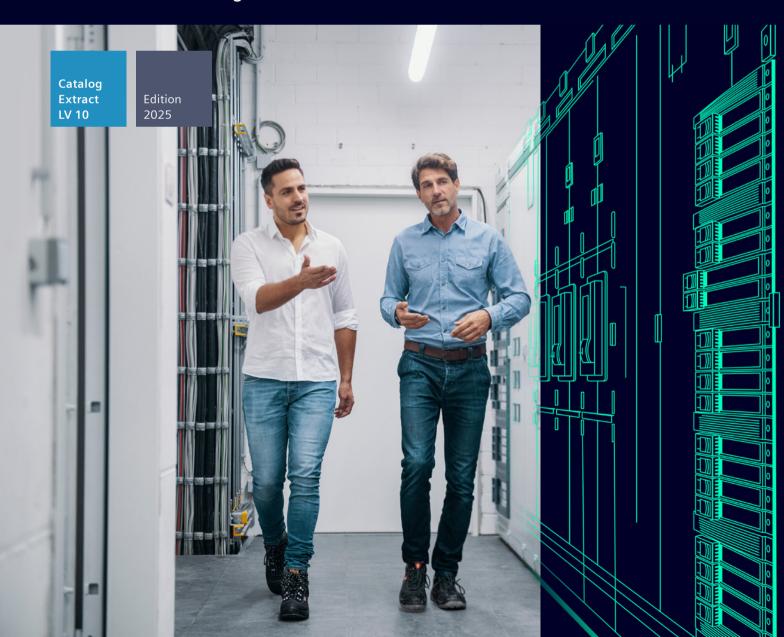
# **SIEMENS**

**SENTRON • SIVACON • ALPHA** 

# Low-Voltage Power Distribution and Electrical Installation Technology

**Busbar Trunking Systems** 

siemens.com/lowvoltage

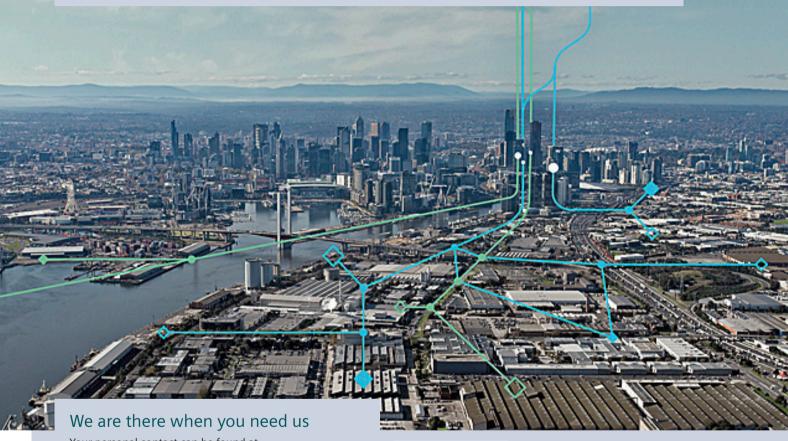


# Innovative solutions for industrial controls and power distribution

Reliable components, systems and software solutions are essential in ensuring smooth power distribution in buildings and industrial plants.

With SIRIUS, SENTRON, SIVACON and ALPHA, we offer an innovative portfolio for standard-compliant and demand-oriented applications.

Efficient engineering tools and innovative cloud-based solutions can be flexibly tailored to individual requirements.



Your personal contact can be found at www.siemens.com/lowvoltage/contact

#### Catalog LV 10 · 2025

You will find the latest edition and all future editions in SiePortal at www.siemens.com/lowvoltage/catalogs

You can find the current prices in SiePortal at www.siemens.com/lowvoltage/product-catalog



The products and systems described in this catalog are manufactured/ distributed under application of a certified quality management system in accordance with EN ISO 9001 (for the Certified Registration Nos., see www.siemens.com/system-certificates/ep).

The certificate is recognized by all IQNet countries.

#### Technical specifications

The technical specifications are for general information purposes only. Always heed the operating instructions and notices on individual products during assembly, operation and maintenance.

All illustrations are not binding.

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# Low-Voltage Power Distribution and Electrical Installation Technology

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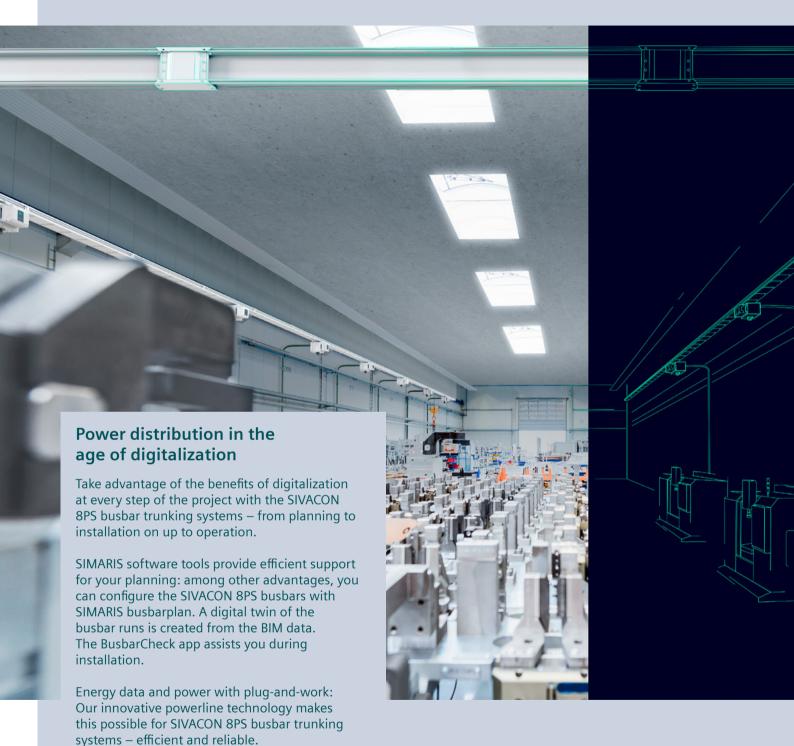
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Energy data is simply transferred to the

busbar trunking systems.

automation and energy management systems, as well as to cloud-based systems (IoT). Data and electricity travel the same path via the conductor circuits and phases of the BD2, LD, LData and LI



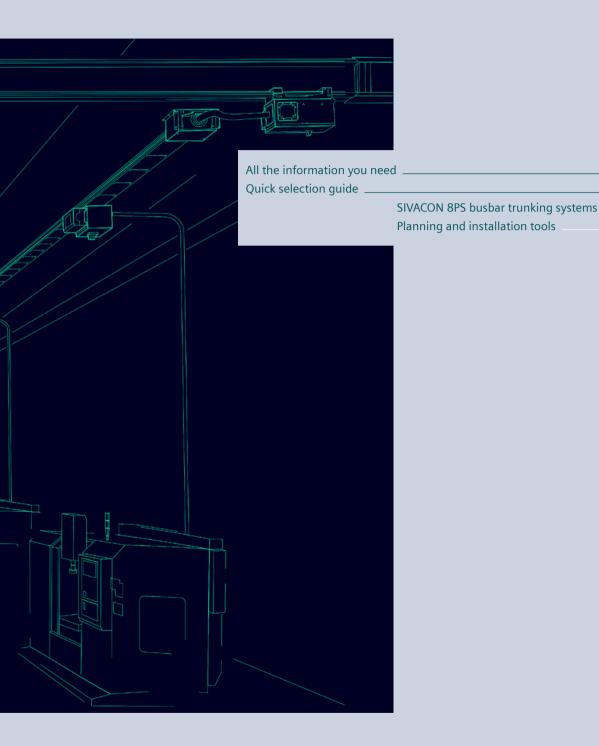
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# **Busbar Trunking Systems**



#### Information + ordering



#### All the important things at a glance

For information about busbar trunking systems, please visit our website www.siemens.com/sivacon-8PS



#### Your product in detail

The SiePortal platform (knowledge base) provides comprehensive information

www.siemens.com/lowvoltage/product-support

- Brochure
  - Energy and data successfully put on track (109747761)
- Catalog
  - LV 70 · 2023 SIVACON 8PS busbar trunking systems – BD01, BD2 up to 1250 A (109744546)

The relevant tender specifications can be found at www.siemens.com/tenderspecifications

Use our conversion tool for quick and easy conversion to Siemens products www.siemens.com/conversion-tool



#### Siemens YouTube channel

 Power distribution – SIVACON (general) sie.ag/6wacV9



#### Everything you need for your order

Refer to SiePortal to find an overview of your products (product catalog)

- SIVACON 8PS sie.ag/2IXpCT1
- Planning the power distribution system sie.ag/2m3oFbS

Direct forwarding to the individual products in SiePortal by clicking on the article number in the catalog or entering this web address incl. article number www.siemens.com/product\_catalog\_SIEP?Article No.

Order support for SIVACON 8PS – BD01 and BD2 www.siemens.com/LV70



#### **Configurators**

Configure your SIVACON 8PS BD01 or BD2 busbar trunking system in **SiePortal** 

#### The fast track to the experts

#### Contact persons in your region

We offer a comprehensive portfolio of services. You can find your local contacts at www.siemens.com/sivacon8PS-contact

You will find further information on services at www.siemens.com/service-offers

Competent expert advice on technical questions with a wide range of demand-optimized services for all our products and systems.

Assistance with technical queries is provided at www.siemens.com/support-request

# ... can be found in our online services

#### **Commissioning + operation**



#### SIMARIS planning tools

The SIMARIS planning tools effectively assist you in your planning process. Project-specific IFC data (Building Information Modeling) for cross-package planning is also possible.

www.siemens.com/simaris



#### Your product in detail

The SiePortal platform (knowledge base) provides detailed technical information

www.siemens.com/lowvoltage/product-support

- Operating instructions
- Certificates

Online Support app available for download from the App Store and Play Store

You will find further information at www.siemens.com/support-app

Engineering data for CAD or CAE systems are available in the CAx Download Manager at www.siemens.com/cax



Manuals can be found in SiePortal at www.siemens.com/lowvoltage/manuals

- · Planning Manual
  - Planning with SIVACON 8PS (109478425)

#### Face-to-face or online training

Our training courses can be found at www.power-academy.siemens.com



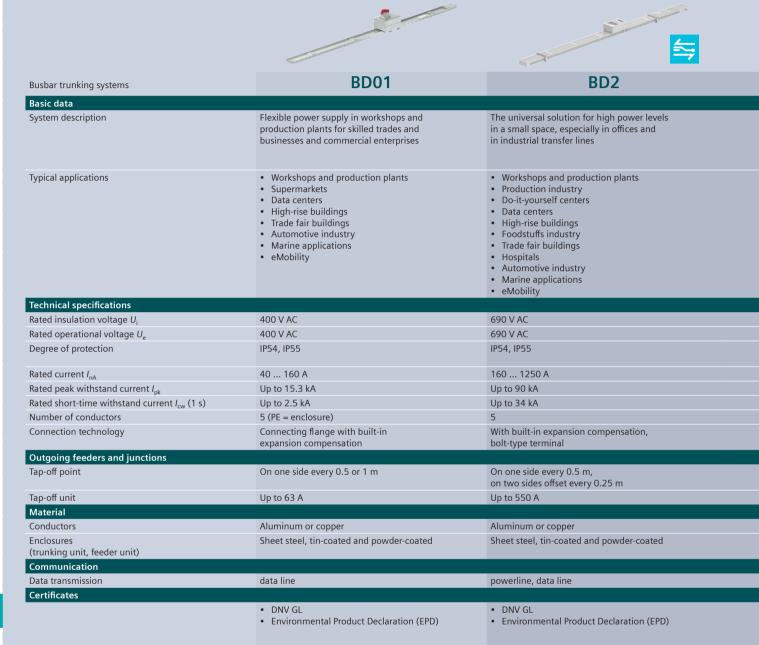
#### Technical overview - Busbar trunking systems



#### The fast way to get you to our online services

This page provides you with comprehensive information and links on busbar trunking systems www.siemens.com/lowvoltage/product-support (109769090)

# SIVACON 8PS busbar trunking systems



<sup>1)</sup> IP66 for pure energy transfer runs without outgoing feeders.

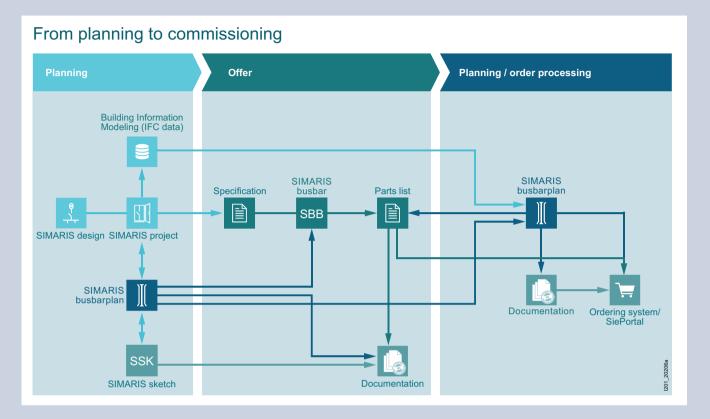


Data transfer with powerline technology

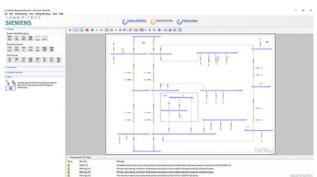


# Planning and installation tools

For planning, visualization and installation of busbar trunking systems



#### SIMARIS design

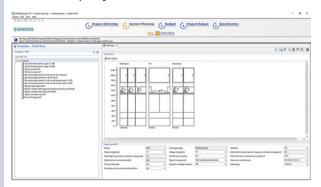


SIMARIS design is a planning tool for fast and efficient grid calculation and dimensioning of electrical power distribution for special-purpose and industrial buildings.

- Dimensioning of electrical networks on the basis of real products according to acknowledged rules of technology and the applicable standards (VDE, IEC)
- Automatic selection of the appropriate components from the stored product database

SIMARIS design forms part of SIMARIS Suite. Free download of the SIMARIS Suite and further information at: www.siemens.com/simarisdesign

#### SIMARIS project



SIMARIS project is a planning tool used to quickly determine the necessary space requirements and the budget for electrical energy distribution for special-purpose and industrial buildings and for automatic generation of specifications.

- Import into projects created with SIMARIS design
- Export of 3D data in IFC 4.x format for BIM (Building Information Modeling)

SIMARIS project forms part of SIMARIS Suite. Free download of the SIMARIS Suite and further information at: www.siemens.com/simarisproject

#### SIMARIS Toolbox (online)



The SIMARIS Toolbox is a platform for provision of online tools for assisting electrical installation planners. It includes, for example:

 EMC Busbar (tool for calculating magnetic field strength in the vicinity of SIVACON 8PS busbar trunking systems)

SIMARIS Toolbox forms part of SIMARIS Suite. Free download of the SIMARIS Suite and further information at: www.siemens.com/simaristoolbox

#### SIMARIS busbarplan



The SIMARIS busbarplan planning tool supports BIM-compliant 3D configuration of SIVACON 8PS busbar trunking systems.

- Plugin based on the BIM Autodesk REVIT software
- Version for planners and for Siemens project engineers

SIMARIS busbarplan forms part of SIMARIS Suite. Free download of the SIMARIS Suite and further information at: www.siemens.com/simarisbusbarplan

# Planning and installation tools

For planning, visualization and installation of busbar trunking systems

#### BusbarCheck app



BusbarCheck is an installation app to use for easy and high-quality installation and documentation.

- Interface to SIMARIS busbarplan
- Detailed explanation of all steps
- Written record and proper documentation for better and easier evaluation of the installation
- Can be used by all installation companies and SIVACON 8PS busbar trunking installations in Germany and another 23 European countries

Free download from:

App Store and Play Store

#### SIMARIS sketch



The new SIMARIS sketch is a software tool for quick and easy planning and visualization of busbar trunking systems.

- Simple creation of busbar routing and building structures in
- Interface to SIMARIS busbarplan and rejection in IFC format possible
- Creation of order parts lists for the BD01 and BD2 systems

SIMARIS sketch forms part of SIMARIS Suite. Free download of the SIMARIS Suite and further information at: www.siemens.com/simarissketch

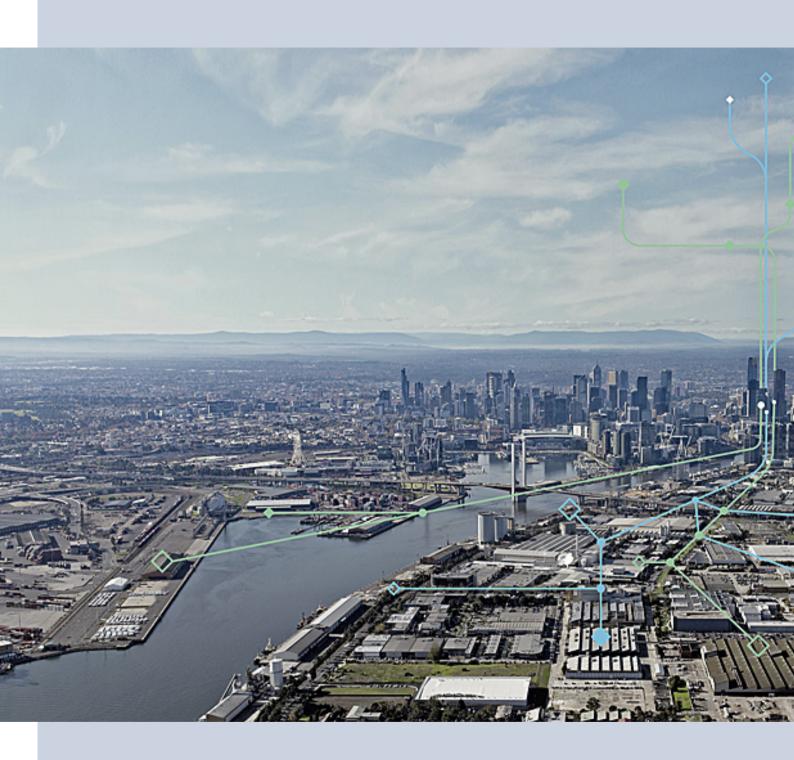
#### IFC data



BIM simplifies the planning process. While the simple exchange of relevant building data between the planners and the facility manager ensures high quality and reduces costs, the digital twin for power distribution fits in seamlessly with the overall structure – for efficient planning, performance and maintenance.

www.siemens.com/bim-eplanning

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#### Α

# Conditions of sale and delivery

#### 1. General Provisions

By using this catalog you can purchase hard- and software products as well as services (together hereinafter referred to as "products") described therein from Siemens Aktiengesellschaft subject to the following Terms and Conditions of Sale and Delivery (hereinafter referred to as "T&C"). Note, for products purchased from any Siemens entity having a registered office outside of Germany, the respective terms and conditions of sale and delivery of the respective Siemens entity apply exclusively. The following T&C apply exclusively for orders placed with Siemens Aktiengesellschaft, Germany.

### 1.1 For customers with a seat or registered office in European Union

For customers with a seat or registered office in European Union, the following terms and conditions apply subordinate to T&C:

- for products, which include specific terms and conditions in the text of the product description, these specific terms and conditions shall apply and subordinate thereto,
- for stand-alone software products and software products forming a part of a product or project, the "General Conditions for Software Products for Infrastructure & Industry Business (German law)"
   <sup>11</sup> and/or
- for consulting services the "Allgemeine Geschäftsbedingungen für Beratungsleistungen für Infrastructure & Industry Geschäft (Deutsches Recht)"<sup>1)</sup> (available only in German) and/or
- for other services, the "Supplementary Terms and Conditions for Services for Infrastructure & Industry Business (German Law) ("BL")"
   <sup>1</sup>) and/or
- for other products the "General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry"<sup>1)</sup>.

In case such products should contain Open Source Software, the conditions of which shall prevail over the "General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry"<sup>1)</sup>, the Product will be given a note as to which special conditions apply to this open source software. This shall apply mutatis mutandis for notices referring to other third-party software components.

## 1.2 For customers with a seat or registered office outside European Union

For customers with a seat or registered office outside European Union, the following terms and conditions apply subordinate to  $\mathsf{T&C}$ .

- for products, which include specific terms and conditions in the description text, these specific terms and conditions shall apply and subordinate thereto,
- for consulting services the "Standard Terms and Conditions for Consulting Services for Infrastructure & Industry Business (Swiss Law)"
   <sup>11</sup> and/or
- for other services the "International Terms & Conditions for Services"
   <sup>(1)</sup> supplemented by "Software Licensing Conditions"
   and/or
- for other products the "International Terms & Conditions for Products"<sup>1)</sup> supplemented by "Software Licensing Conditions"<sup>1)</sup>

#### 1.3 For customers with master or framework agreement

To the extent products offered are covered by an existing master or framework agreement, the terms and conditions of that agreement shall apply instead of T&C.

#### 2. Additional Terms and Conditions

The dimensions are in mm. In Germany, according to the German law on units in measuring technology, data in inches apply only to devices for export.

Illustrations are not binding.

Insofar as there are no remarks on the individual pages of this catalog – especially with regard to data, dimensions and weights given – these are subject to change without prior notice.

<sup>1)</sup> The text of the Terms and Conditions of Siemens AG can be downloaded at https://mall.industry.siemens.com/legal/ww/en/terms\_of\_trade\_en.pdf

#### Α

#### 3. Export Control and Sanctions Compliance

#### 3.1 General

Customer shall comply with all applicable sanctions, embargoes and (re-)export control laws and regulations, and, in any event, with those of the European Union, the United States of America and any locally applicable jurisdiction (collectively "Export Regulations").

#### 3.2 Checks for Products

Prior to any transaction by customer concerning products (including hardware, documentation and technology) delivered by Siemens, or products (including maintenance and technical support) performed by Siemens with a third party, customer shall check and certify by appropriate measures that

- (i) the customer's use, transfer, or distribution of such products, the brokering of contracts or the provision of other economic resources in connection with products will not be in violation of any Export Regulations, also taking into account any prohibitions to circumvent these (e.g., by undue diversion)
- (ii) the products are not intended or provided for prohibited or unauthorized non-civilian purposes (e.g. armaments, nuclear technology, weapons, or any other usage in the field of defense and military);
- (iii) customer has screened all direct and indirect parties involved in the receipt, use, transfer, or distribution of the products against all applicable restricted party lists of the Export Regulations concerning trading with entities, persons and organizations listed therein and
- (iv) products within the scope of items-related restrictions, as specified in the respective annexes to the Export Regulations, will not, unless permitted by the Export Regulations, be

   (a) exported, directly or indirectly (e.g., via Eurasian Economic Union (EAEU) countries), to Russia or Belarus, or
   (b) resold to any third party business partner that does not take a prior commitment not to export such products to Russia or Belarus.

#### 3.3 Non-Acceptable Use of Software and Cloud Services

Customer shall not, unless permitted by the Export Regulations or respective governmental licenses or approvals,

- (i) download, install, access or use the products from or in any location prohibited by or subject to comprehensive sanctions or subject or to license requirements according to the Export Regulations;
- (ii) grant access to, transfer, (re-)export (including any "deemed (re-)exports"), or otherwise make available the products to any entity, person, or organization identified on a restricted party list of the Export Regulations;
- (iii) use the products for any purpose prohibited by the Export Regulations (e.g. use in connection with armaments, nuclear technology or weapons);

- (iv) upload to a products platform any customer content unless it is non-controlled (e.g. in the EU: AL = N; in the U.S.: ECCN = N or EAR99);
- (v) facilitate any of the afore mentioned activities by any user. Customer shall provide all users with all information necessary to ensure compliance with the Export Regulations.

#### 3.4 Semiconductor Development

Customer will not, without advance written authorization from Siemens, use offerings for the development or production of integrated circuits at any semiconductor fabrication facility located in China meeting the criteria specified in the U.S. Export Administration Regulations, 15 C.F.R. 744.23.

#### 3.5 Information

Upon request by Siemens, customer shall promptly provide Siemens with all information pertaining to users, the intended use and the location of use or the final destination (in the case of hardware, documentation and technology) of the products. Customer will notify Siemens prior to customer disclosing any information to Siemens that is defense-related or requires controlled or special data handling pursuant to applicable government regulations, and will use the disclosure tools and methods specified by Siemens.

#### 3.6 Reservation

Siemens shall not be obligated to fulfill this agreement if such fulfillment is prevented by any impediments arising out of national or international foreign trade or customs requirements or any embargoes or other sanctions. Customer acknowledges that Siemens may be obliged under the Export Regulations to limit or suspend access by customer and/or users to products.

#### 4. Miscellaneous

Errors excepted and subject to change without prior notice.

# Link directory

### Catalog LV 10

#### **General information**

Information on low-voltage power distribution and electrical	www.siemens.com/lowvoltage
installation technology Tender specifications	www.siemens.com/tenderspecifications
Conversion tool	www.siemens.com/conversion-tool
Image database	www.siemens.com/lowvoltage/picturedb
	www.siemens.com/cax
CAx download manager	www.siemens.com/lowvoltage/newsletter
Newsletter system Siemens YouTube channel	
	www.youtube.com/Siemens www.siemens.com/ly10
Catalog LV 10	www.siemens.com/lv13
Catalog LV 13	
Catalog LV 18	www.siemens.com/lv18
Brochures/catalogs	www.siemens.com/lowvoltage/catalogs
Operating instructions/manuals	www.siemens.com/lowvoltage/manuals
SiePortal	www.siemens.com/sieportal
SiePortal (knowledge base)	www.siemens.com/lowvoltage/product-support
SiePortal (product catalog)	www.siemens.com/lowvoltage/product-catalog
Online Support App	www.siemens.com/support-app
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Configurators	www.siemens.com/lowvoltage/configurators
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	www.siemens.com/lowvoltage/systems/contact
	www.siemens.com/lowvoltage/software/contact
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Information on services	www.siemens.com/service-offers
Control panels for the North American market	www.siemens.com/northamerican-standards
Integrated Control Panels	www.siemens.com/controlpanel
Smart Control Panel Design	www.siemens.com/controlpanel/cpd
Energy savings and amortization	www.automation.siemens.com/sinasave
SIMATIC Energy Suite	www.siemens.com/energysuite
SITOP power supplies	www.siemens.com/sitop
Power distribution with Totally Integrated Power	www.siemens.com/tip
TIA Selection Tool	www.siemens.com/tst
Electrical Product Finder	www.siemens.com/electrical-product-finder
Sustainability	www.siemens.com/sustainability
Siemens EcoTech	www.siemens.com/SiemensEcoTech
	www.siemens.com/lowvoltage/SiemensEcoTech
SENTRON product phase-out	www.siemens.com/info-sentron

# Catalogs and further information



LV 10 Low-Voltage Power Distribution and **Electrical Installation Technology** SENTRON • SIVACON • ALPHA PDF (E86060-K8280-A101-B9-7600)



**Switches and Socket Outlets DELTA** PDF (SIEP-C10409-00-7600)



**3WA Air Circuit Breakers** SENTRON PDF (E86060-K8280-B101-A4-7600)



**SiePortal** Information and Ordering Platform on the Internet:

sieportal.siemens.com



Air Circuit Breakers and Molded Case Circuit Breakers with UL Certification **SENTRON** 

PDF (E86060-K8280-E347-B2-7600)



Digital Industry Academy www.siemens.com/sitrain



**Industrial Controls SIRIUS** PDF (E86060-K1010-A101-B7-7600)



**Siemens TIA Selection Tool** for the selection, configuration and ordering of TIA products and devices

www.siemens.com/tst

The catalogs listed above and additional catalogs are available in PDF format at

www.siemens.com/lowvoltage/catalogs

IC 10

Further information on low-voltage power distribution and electrical installation technology is available on the Internet at www.siemens.com/lowvoltage

#### **Cybersecurity information**

Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks.

In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept.

Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place.

For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry.

Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats.

To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under www.siemens.com/cert.

#### Get more information

www.siemens.com/lowvoltage

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