CATALOG

## Kabeldon Low Voltage Distribution System

 Safe and reliable electrical distribution

- Safe usage in public environments
- Tested, verified and optimized
- Designed for flexibility and ease



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# Kabeldon Low Voltage Distribution System Safe and reliable electrical distribution 

Kabeldon low voltage distribution systems by ABB are designed to deliver safety, ease and reliability for electrical distribution. Our customers typically include utilities, OEMs, panel builders and industrial companies.

Kabeldon solutions are designed to provide excellent protection in even the most demanding environmental conditions. Designed for outdoor environments, the products are produced to withstand sub-zero temperatures as well as being well-ventilated to disperse heat during the summer months and eliminate condensation.

As these systems are typically installed in public environments, both safety and the discreet appearance of the cabinet installations has been an important factor in product design. For instance, the resistance to external impact is tested according to standard IEC 61439-5. In fact, as they are designed to be a unified solution, the entire installations, including cabinets, busbars and fusegear are tested and verified in accordance as a system.

What is found inside the cabinet is just as important as the cabinet itself. The distribution system within is based on a smart, compact and modular design, ensuring both safety and the flexibility of the solution for a wide variety of end uses. Space inside the cabinet can be optimized with the flexible busbar design that allows for easy installation in any configuration desired.


The entire system, including busbars, connectors and switches are IP2X classified. Safety is a key factor for us not only during the system's regular operations, but also during installation and maintenance. Our installations are designed to be intrinsically safe.

# Kabeldon Low Voltage Distribution System Safe and reliable electrical distribution 




Safety and protection
Safe usage in public environments
The system's features and design enable an outstanding level of safety and protection. The full IP2X classification provides a safe solution for the installer as well as the surrounding environment. The Kabeldon low voltage distribution system is designed for outdoor usage in public environments, which is why safety is our priority number one.


## Continuous operation

## Tested, verified and optimized

 The Kabeldon system provides a reliable solution that enables continuous operation over its entire lifetime. The products are designed and optimized to work together and tested and verified as a system. This creates a solution that is truly optimized for its main purpose: to provide a safe and reliable low voltage distribution system.

Easy to install
Designed for flexibility and ease
Kabeldon low voltage distribution system is designed to ensure easy installation. It is a solution that is truly easy to work with. The modularity, clear markings and unobstructed visibility make installation fast and flexible. The possibilities for incorrect installations have been minimized, which in turn helps the installer ensure the system's reliability and safety.

# Kabeldon Low Voltage Distribution System 

## Safe and reliable electrical distribution

## Typical applications for Kabeldon low voltage distribution systems

The Kabeldon low voltage distribution system is a flexible system that can be used for a variety of applications, most often in public outdoor environments. It is an essential part of the electrical distribution infrastructure, which sets high demands in terms of reliability and continuous operation.

Examples of typical applications for the system include:

- Electrical supplies for buildings such as hospitals, hotels, shopping malls etc.
- Utility low voltage distribution networks
- Feeding pillars for electrical vehicle charging stations
- Main distribution boards for various types of industries
- Street and road lighting supplies
- As the low voltage part of Compact Secondary Substations



Kabeldon solutions ensure reliable electrical distribution for a wide range of residential, commercial and industrial end use applications.

# Kabeldon Low Voltage Distribution System <br> A complete system offering for safe and reliable distribution 


#### Abstract

Kabeldon provides a complete low voltage distribution system consisting of cabinets, busbars, switching devices, connectors and a wide range of accessories that support a great variety of customer applications.


## Cabinets

Empty and busbar mounted cabinets ranging from 400 A up to 1600 A in various sizes and configurations, for example:

- ground mounted
- floor mounted
- pole mounted
- integrated foundation
- separate foundation


## Fuse switch disconnectors

Ranging from 63 A up to 400 A to be mounted in a cabinet and up to 630 A for wall mounting.

## Busbars

Busbars from 400 A up to 1600 A for cabinet mounting and up to 2500 A for wall mounting.

## Switches and molded case circuit breakers

Adapter plates for installation of ABB switch disconnectors, switch fuse disconnectors and circuit breakers onto the IP2X Kabeldon busbar system and installation in cabinets. These adapter plates provide great flexibility to the distribution system.

## Connectors

Busbar connectors, insulated and non insulated for $\mathrm{Cu} / \mathrm{Al}$ cables ranging up to $400 \mathrm{~mm}^{2}$.

## Accessories

A wide range of accessories in order to increase the flexibility of the system and meet market requirements, for example:

- Accessories for metering
- Busbar connection kits
- Mounting plates
- etc.



## ConnectIT - Planning and Design tool <br> Speed up your planning, documentation and design process

The ConnectIT planning and design tool speeds up your project and saves valuable time when it comes to planning, documentation and design processes. It is a free software that enables you to design efficient solutions based on ABB Kabeldon's fusegear and cable distribution cabinet offering.


ConnectIT makes it easy to design solutions and to obtain details of its components as follows:

- Enclosures and accessories
- Switching devices and busbar connections
- Busbar system


## ConnectIT generates structured

 information for ordering, planning and documentation- Single-line diagram, to which addresses, cable data and other details can be added.
- Front panel sketch which can be used as a basis for component mounting.
- Bill of material list of the complete system

ConnectIT is easy to use and lets you to freely create any desired combination of switching devices and enclosures. The design is done quickly and simply, with the aid of pictures and text.

ConnectIT is available for free, download at www.abb.com


# Kabeldon Low Voltage Distribution System Conformative with international standards and directives 

## ABB Kabeldon low voltage distribution system is designed and manufactured to conform and comply with international standards and directives in areas such as safety, quality and environmental management.

## Quality, safety and the environment

ABB Kabeldon products comply with the following EC directive:

- "Low-Voltage Directives" (LVD)
no. 2014/35/EU
ABB has certified management systems in compliance with the following international standards:
- ISO 9001 for quality management
- ISO 14001 for environmental management
- OHSAS 18001 for the management of the health and safety of employees in the workplace
- ISO 150001 for energy management


## Enclosures

Kabeldon enclosures comply with the following international product standards:

- IEC 61439: Low voltage switchgear and control gear assemblies
- Part 1: General rules
- Part 5: Assemblies for power distribution in public networks
- Passes test for arctic climate

Kabeldon CDC and SDC enclosures are coated to protect against corrosion according to:

- ISO 1461: Inorganic coatings - Hot dip galvanized coatings on fabricated iron and steel articles-Specifications and test methods (ISO 1461:1999)

Kabeldon KSIK enclosures are designed for indoor use. They are made from powder coated steel and are suitable for environments of Class C1 and C2 according to:

- IEC ISO 12944: Paints and varnishes
- Corrosion protection of steel structures by painting
- Part 2: Classification of environmental conditions (ISO 12944-2:1998)


Degree of protection

- IEC 60529: IP Code IP 34D unless otherwise stated under "technical data"


## Switching devices

Kabeldon switching devices meet the following standards and requirements for switchgear:

- IEC 60947: Low voltage switchgear and control gear:
- Part 1: General rules
- Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units

Degree of protection

- IEC 60529: IP Code IP 2X


## Connectors

The connectors used in Kabeldon products comply with the following standard:

- IEC 61238: Compression and mechanical connectors for power cables for rated voltages up to 30 kV ( $\mathrm{Um}=36 \mathrm{kV}$ )
- Part 1: Test methods and requirements

Degree of protection:

- IEC 60529: IP code

Insulated connectors IP 2X
Non-insulated connectors IP 00

## Busbars

Degree of protection:

- IEC 60529: IP code Insulated busbars IP $2 \times$
Non-insulated busbars IP 00


## Voltage testing

SLD devices have apertures designed for voltage testers conforming to:

- IEC 61243-3: Live working voltage detectors


## Rated diversity factor

Kabeldon enclosures have an assigned RDF according to:

- IEC 61439: Low voltage switchgear and control gear assemblies

For switching devices mounted in a cable distribution cabinet or directly on the wall; the rated current must be reduced where there are parallel current paths.

Rated current for phase- and neutral busbars.

| Number of main <br> circuits | Rated diversity <br> factor |
| :--- | :--- |
| 2 and 3 | 0.9 |
| 4 and 5 | 0.8 |
| $6-9$ | 0.7 |
| 10 and above | 0.6 |

The stated rated current refers to the highest permitted current in any section of the busbar.

## Tightening torque

The torque range depends of the conductor cross section, please see "technical data" for reference to the correct torque to apply to the conductor and the busbar for a reliable connection.

## Connetion of cables

Stated connectable cable area range refers to connection with a stranded or solid $\mathrm{Al} / \mathrm{Cu}$ conductor. When connecting a flexible conductor, reduce the maximum area by one area step.


The connectable area for parallel conductors is determined by dividing the maximum area by the number of parallel conductors and reducing by one area step e.g.: Max cable connection $300 \mathrm{~mm}^{2}, 300 / 2$--> $150 \mathrm{~mm}^{2}$ go down by one step --> $120 \mathrm{~mm}^{2}$.


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# Kabeldon IP-system <br> Busbars, switching devices and connectors for safe and reliable distribution 

The Kabeldon IP-system consists of a unique screen-protected busbar together with a broad range of switching devices and connectors for optimal performance.


## Safety and protection

## Tested and verified for safety

The Kabeldon IP-system is a full IP 2X system. The solution has been tested and verified as a complete system, including busbars, connectors, switches and cabinets. Changing fuses is made easy and safe thanks to a solution with a removable lid. All this ensures a high degree of safety during installation, maintenance and operation.


## Easy to install

## Modularity means ease

The Kabeldon IP-system's intuitive and user-friendly design ensures reliable and safe installation properties. The modular solution enables a high level of flexibility in terms of placing devices on the busbar and also adapting to new needs or expanding the installation.


Space saving
Smart compact design
The Kabeldon IP System is compact and modular, reducing the space required for installation down to a minimum. Switches, connectors and busbars are designed as a unified system, therefore enabling the creation of a compact solution. A wide range of connectors and switches help optimize the solution for a specific installation.


## Ordering information

Fuse switch disconnectors SLD


SLD 63


SLD 00


SLD 2


SLD-FHD 00

## Fuse switch disconnectors SLD

Fuse-switch disconnectors SLD fit in all available Kabeldon cable distribution cabinets.


| Designation | ID number | NH Fuse size | Rated current |  |  | Width$M=12,5 \mathrm{~mm}$ | Cable area <br> $\mathrm{mm}^{2}$ | Weight <br> kg/pcs |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 400 V | 690 V | 1000 V |  |  |  |
| SLD 63 | 6305.0110 .0 | Diazed 63 A | 63 A | - | - | 3 | 1.5 ... 25 | 1.5 |
| SLD 000 | 6305.0106 .1 | 000 | 100 A | 80 A | - | 3 | 2.5... 95 | 1.7 |
| SLD 00 | 6305.0107 .1 | 00 | 160 A | 160 A | - | 4 | 2.5... 95 | 1.8 |
| SLD 1 | 6305.0108 .2 | 1 | 250 A | 250 A | - | 10 | 50... 300 | 4.3 |
| SLD 2 | 6305.0109.2 | 2 | 400 A | 355 A | 100 A | 12 | 50... 300 | 4.6 |

250 A with fuse, 400 A with linking knife.
400 A with fuse, 630 A with linking knife.

Single-pole operated fuse switch disconncetors

| Designation | ID number | NH Fuse size | Rated current |  |  | Width$\mathrm{M}=12,5 \mathrm{~mm}$ | Cable area <br> $\mathrm{mm}^{2}$ | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 230 V | 400 V | 690 V |  |  |  |
| SLD-FHD 000 | 6305.0116 .1 | 000 | 100 A | - | - | 3 | 2.5 ... 95 | 1.8 |
| SLD-FHD 00 | 6305.0117 .1 | 00 | 160 A | - | - | 4 | 2.5 ... 95 | 1.9 |

SLD-FHD 000

## Ordering information

Disconnector FD 3300


FD 3300

## Disconnector

The disconnector FD 3300 is designed for parallel use enabling the busbar system to be disconnected without stopping the current from the incoming cable passing through.

| Designation | ID number | NH Fuse size | Rated current |  |  | Width$M=12,5 \mathrm{~mm}$ | Cable area$\mathrm{mm}^{2}$ | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 400 V | 690 V | 1000 V |  |  |  |
| FD 3300 | 6303.0032 .1 | Linking knife | 400 A | - | - | 7 | 50... 300 | 2.6 |




Disconnectors are intended for single-pole breaking. By using the linking knives between adjacent disconnectors, the busbar system can be disconnected without stopping the current from the incoming cable passing through.

## Ordering information

Accessories for Fuse switch disconnectors SLD and FD 3300

$\qquad$
Earthing devices
Used for grounding of cables.

| Designation | Suitable for | ID number | Rated data | Weight <br> $\mathrm{kg} / \mathrm{pcs}$ |
| :--- | :--- | :--- | :--- | :--- |
| JDDA 000 | SLD 000 | 6319.0375 .1 | $6.1 \mathrm{kA} / 1 \mathrm{~s}$. | 2.2 |
| JDDA 00 | SLD 00 | 6319.0376 .1 | $6.1 \mathrm{kA} / 1 \mathrm{~s}$. | 2.3 |
| JDDA 1 | SLD 1 | 6319.0402 .1 | $16.2 \mathrm{kA} / 1 \mathrm{~s}$. | 2.4 |
| JDDA 2 | SLD 2 | 6319.0401 .1 | $16.2 \mathrm{kA} / 1 \mathrm{~s}$. | 2.5 |

## Handles

Detachable handle and adapter for fuse switch disconnectors SLD. With the FHHD-A solution the depth is reduced by 35 mm .

| Designation | Suitable for | ID number | Rated data | Weight <br> $\mathrm{kg} / \mathrm{pcs}$ |
| :--- | :--- | :--- | :--- | :--- |
| FHH | SLD-FHD, FHD, FHHD-A | 4305.0404 .0 | 0.02 |  |
| FHHD-A 000 | SLD 000 | 5305.0205 .0 | - | - |
| FHHD-A 00 | SLD 00 | 5305.0204 .0 | - | 0.02 |

## Parallel handles



Used for parallel operation of two fuse switch disconnectors SLD 2.

| Designation | Suitable for | ID number | Rated data | Weight <br> $\mathrm{kg} / \mathrm{pcs}$ |
| :--- | :--- | :---: | :---: | :---: |
| PHD 2 | SLD 2 in enclosures CDC | 6309.0024 .0 | - | 1.5 |
| PHD 2 SDC | SLD 2 in enclosures SDC and CSS switchgear | 6309.0023 .0 | - | 1.5 |

## Fuse holders



FHD 000


Replaces the cover to SLD to enable single-pole breaking. The kit contains three single-pole fuseholders with handle.

| Designation | Suitable for | ID number | Rated data | Weight <br> $\mathrm{kg} / \mathrm{pcs}$ |
| :--- | :--- | :--- | :--- | :--- |
| FHD 000 | SLD 000 | 5305.0225 .0 | 100 A | 0.1 |
| FHD 00 | SLD 00 | 5305.0226 .0 | 160 A | 0.1 |

## Ordering information

## Accessories for Fuse switch disconnectors SLD and FD 3300



ADP 300


PDA 10-50

## Linking knives

Used when switching with linking knife, delivered in packages of 3 pcs.

| Designation | Suitable for | ID number | Rated data | Weight <br> $\mathrm{kg} / \mathrm{pcs}$ |
| :--- | :--- | :--- | :--- | :--- |
| KN 00 | SLD 000, SLD 00, SLD-FHD 000, SLD FHD 00 | 5319.0319 .0 | 160 A | 0.3 |
| KN 1 | SLD 1 | 5319.0345 .0 | 400 A | 0.6 |
| KNB 2 | SLD 2 | 5319.0321 .0 | 630 A | 0.6 |

## —

## Blocking devices

Used for blocking the phases in the fuse switch disconnector.

| Designation | Suitable for | ID number | Rated data | Weight <br> $\mathrm{kg} / \mathrm{pcs}$ |
| :--- | :--- | :--- | :---: | :---: |
| KFBD | FD 3300 | 6319.0112 .1 | - | 0.1 |
| KSBD 00 | SLD 000, SLD 00 | 6319.0109 .1 | - | 0.3 |
| KSBD 2 | SLD 1, SLD 2 | 6319.0110 .1 | - | 0.3 |

## Connectors

STM 400 includes a conductor rail with connector for current transformer metering, the dimensions of the conductor rails are $25 \times 13 \mathrm{~mm}$. ADP 300 is intended for connection of parallel conductors.

| Designation | Suitable for | ID number | Rated data | Weight <br> $\mathrm{kg} / \mathrm{pcs}$ |
| :--- | :--- | :--- | :--- | :--- |
| STM 400 | SLD 1, SLD 2 | 6309.0026 .0 | $400 \mathrm{~V}, 400 \mathrm{~A}$ | 0.4 |
| ADP 300 | SLD 1, SLD 2 | 6309.0035 .0 | $690 \mathrm{~V}, 630 \mathrm{~A}$ | 0.8 |

- 

Gauge piece and seal cover

Gauge pieces are delivered in set of 3 , seal cover in set of 1 .

| Designation | Suitable for | ID number | Color | Rated data | Weight <br> $\mathrm{kg} / \mathrm{pcs}$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| PDA 10 | SLD 63 | 5305.0131 .0 | Red | 10 A | 0,01 |
| PDA 16 | SLD 63 | 5305.0130 .0 | Grey | 16 A | 0,01 |
| PDA 20 | SLD 63 | 5305.0129 .0 | Blue | 20 A | 0,01 |
| PDA 25 | SLD 63 | 5305.0128 .0 | Yellow | 25 A | 0,01 |
| PDA 35 | SLD 63 | 5305.0127 .0 | Black | 35 A | 0,01 |
| PDA 50 | SLD 63 | 5305.0126 .0 | White | 50 A | 0,01 |
| PBA 63 | SLD 63 | 5305.0301 .0 | Transparent yellow | - | 0,01 |

## Ordering information

Fuse switch disconnectors SLDL


SLDL 2


SLDL 3-1P


SLDL with cable connection from above.

## Fuse switch disconnectors SLDL

SLDL is used in low voltage parts of substations or for busbar systems installed directly on walls and is available in both 3-pole and 1-pole operation. For wall and CSS installations, SLDL cannot be installed in Kabeldon cable distribution cabinets.

To enable cable connection from above, the rear section of the switch can be reversed $180^{\circ}$. The cable may be connected with terminal clamps or cable lugs, terminal clamps to be ordered separately.

Three-pole operated fuse switch disconnectors

| Designation | ID number | NH Fuse size | Rated current |  |  | Width$M=12,5 \mathrm{~mm}$ | Cable area $\mathrm{mm}^{2}$ | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 400 V | 690 V | 1000 V |  |  |  |
| SLDL 2 | 6305.0242 .0 | 2 | 400 A | 400 A | 100 A | 8 | $35 \ldots 240$ | 5.5 |
| SLDL 3 | 6305.0240 .0 | 2, 3 | 630 A | 500 A | 100 A | 8 | $35 . .240$ | 6.4 |

Single pole operated fuse switch disconnectors

| Designation | ID number | NH Fuse size | Rated current |  |  | Width$M=12,5 \mathrm{~mm}$ | Cable area <br> $\mathrm{mm}^{2}$ | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 230 V | 400 V | 690 V |  |  |  |
| SLDL 2-1P | 6305.0243 .0 | 2 | 400 A | 400 A | 100 A | 8 | 35... 240 | 5.3 |
| SLDL 3-1P | 6305.0241 .0 | 2, 3 | 630 A | 500 A | 100 A | 8 | $35 . .240$ | 6.2 |

## Ordering information

Accessories for Fuse switch disconnectors SLDL


TCS 35-240


## Terminal clamp sets

TCS intended for single cable connection and TCD for parallel cable connection. Delivered in sets of 3 pieces

| Designation | Suitable for | ID number | Cable <br> area <br> $\mathrm{mm}^{2}$ | Weight <br> $\mathrm{kg} / \mathrm{pcs}$ |
| :--- | :--- | :--- | :--- | :--- |
| TCS 35-240 | SLDL | 5305.0279 .0 | See table | 0.5 |
| TCD $50-240$ | SLDL | 5305.0280 .0 | See table | 0.8 |

TCD 50-240

| Terminal clamp | Fits to cable with | Cable area <br> $\mathrm{mm}^{2}$ |
| :--- | :--- | :--- |
| TCS 35-240 | sector-shaped stranded conductor | $35-240$ |
|  | sector-shaped solid conductor | $35-240$ |
|  | round stranded conductor | $16-185$ |
| TCD 50-240 round solid conductor | $16-240$ |  |
|  | sector stranded conductor | $2 / / 95-240$ |
|  | sector solid conductor | $2 / / 120-240$ |
|  | round stranded conductor | $2 / / 50-185$ |
|  | round solid conductor | $2 / / 70-240$ |

## Protective hood

Used when connecting cable from above.

| Designation | Suitable for | ID number | Weight <br> $\mathrm{kg} / \mathrm{pcs}$ |
| :--- | :--- | :--- | :--- |
| CS SLDL | SLDL | 6305.0244 .0 | 0.05 |

## Ordering information

## Accessories for fuse switch disconnectors SLDL



PHDL


KNB 2

## Parallel handle

Handle for parallel operation of two SLDL simultaneously.

| Designation | Suitable for | ID number | Weight <br> $\mathrm{kg} / \mathrm{pcs}$ |
| :--- | :--- | :--- | :--- |
| PHDL | SLDL 2, SLDL 3 | 6305.0249 .0 | 0.2 |

## Linking knife

Replaces the fuse for switching with linking knife. Linking knife is delivered in sets of 3 pieces.

| Designation | Suitable for | ID number | Weight <br> $\mathrm{kg} / \mathrm{pcs}$ |
| :--- | :--- | :--- | :--- |
| KNB 2 | SLDL | 5319.0321 .0 | 0.6 |

## Blocking device

Used for blocking the phases in the fuse switch disconnectors. Blocking device is delivered in sets of 3 pieces.

| Designation | Suitable for | ID number | Weight <br> $\mathrm{kg} / \mathrm{pcs}$ |
| :--- | :--- | :--- | :--- |
| KSBD 2 | SLDL | 6319.0110 .1 | 0.3 |

## Ordering information

## Switches SEKOD, SLOC, LBOD



SLOC 630

For increased flexibility, a number of switches for mounting onto the Kabeldon busbar system are available.

## Switch fuse disconnectors

Switch fuse disconnector, breaking on both sides of the fuse. 3-pole breaking with sealing possibility

| Designation | Suitable cabinet range | ID number | Fuse size | Rated current |  | Width | Cable area | Weight |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Open air | Enclosed |  |  |  |
|  |  |  |  | 400 / 690 V | 400 / 690 V | $\mathrm{M}=12,5 \mathrm{~mm}$ | $\mathrm{mm}^{2}$ | kg/pcs |
| SEKOD 125 | all | 6305.0233 .0 | 00 | 160 A | 125 A | 12 | $50 . . .300$ | 5.0 |
| SEKOD 224 | SDC, KSIK | 6305.0234 .1 | 1 | 250 A | 224 A | 17 | $50 . . .300$ | 5.2 |
| SEKOD 355 | SDC, KSIK | 6305.0235 .1 | 1,2 | 400 A | 355 A | 17 | 50... 300 | 8.2 |
| SLOC 630 | SDC, KSIK | 6305.0250 .0 | 3 | 615 A | 540 A | 27 | - | 14.5 |

## Switch disconnectors

Section switch-disconnector without fuse.

| Designation | Suitable cabinet range | ID number | Fuse size | Rated current |  | Width | Cable area | Weight |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Open air | Enclosed |  |  |  |
|  |  |  |  | 400 / 690 V | 400 / 690 V | $\mathrm{M}=12,5 \mathrm{~mm}$ | $\mathrm{mm}^{2}$ | kg/pcs |
| LBOD 800 | SDC, KSIK | 6305.0252 .0 | - | 785 A | 680 A | 29 | - | 11.1 |
| LBOD 1000 | SDC, KSIK | 6305.0253 .0 | - | 1000 A | 950 A | 29 | - | 16.6 |
| LBOD 1600 | SDC, KSIK | 6305.0254 .0 | - | 1325 A | 1250 A | 38 | - | 19.8 |

## Ordering information

Circuit breaker adapters APXT, KLAP, A-S/T

A number of adapter plates for circuit breakers are designed for mounting onto the Kabeldon busbar system in order to increase the flexibility. The circuit breaker must be ordered separately.


## Circuit breaker adapters for ABB SACE XT-range

Adapter plate and Kabeldon insulated connectors can be ordered together as one kit for circuit breaker ABB SACE MCCB Tmax XT2 and XT4.

| Designation | Suitable <br> cabinet <br> range |  | ID number | Rated current | Width | Cable <br> area | Weight |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## Circuit breaker adapters for ABB SACE XT-range

Suitable for circuit breaker type ABB SACE MCCB Tmax XT1, XT2, XT3 and XT4.

| Designation | Suitable <br> cabinet range | ID number | Rated current | Width | Cable <br> area | Weight |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## Kabeldon insulated connectors for circuit breakers

Kabeldon insulated connectors for circuit breaker type ABB SACE MCCB Tmax XT1, XT2, XT3 and XT4. To be used together with APXT adapter plate.

| Designation | Suitable cabinet range | ID number | Rated current |  | Width | Cable area | Weight |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Open air | Enclosed |  |  |  |
|  |  |  | 400 / 690 V | 400 / 690 V | $\mathrm{M}=12,5 \mathrm{~mm}$ | $\mathrm{mm}^{2}$ | kg/pcs |
| CKXT 1 | all | 2CGD000204A1000 | 135 A | 125 A | 10 | 50 ... 300 | 0.8 |
| CKXT 2 | all | 2CGD000205A1000 | 160 A | 160 A | 10 | $50 . . .300$ | 0.8 |
| CKXT 3 | all | 2CGD000206A1000 | 230 A | 200 A | 10 | $50 . . .300$ | 0.9 |
| CKXT 4 | all | 2CGD000207A1000 | 250 A | 220 A | 10 | $50 \ldots 300$ | 0.9 |

## Ordering information

Circuit breaker adapters APXT, KLAP, A-S/T


KLAP T5 630 and Tmax T5


KLAP T5 630

## Circuit breaker adapters for ABB SACE T5

Fits all Kabeldon busbars but does not fit in Kabeldon enclosures, to be mounted when disconnected. Circuit-breaker and plug-in socket is to be ordered separately. For a complete solution the additional should be ordered: Conversion kit from fixed to Plug-in, 1SDA 054847 R1, Plinth, 1SDA 054762 R1, Connectors.

| Designation | Suitable <br> cabinet range | ID number | Rated current | Width | Cable <br> area | Weight |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  | Open air | Enclosed |  |  |
|  |  |  | $400 / 690 \mathrm{~V}$ | $400 / 690 \mathrm{~V}$ | $\mathrm{M}=12,5 \mathrm{~mm} \mathrm{~mm}^{2}$ | $\mathrm{~kg} / \mathrm{pcs}$ |
| KLAP T5 630 | - | 5305.0209 .0 | - | 525 A | 12 | - |

## Circuit breaker adapter kits for ABB SACE T6 and T7

Adapter kits for ABB T6 and T7 moulded case circuit breakers. Circuit breaker to be ordered separately.

| Designation | Suitable <br> cabinet range | ID number | Rated current | Width | Cable <br> area | Weight |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  | Open air <br> $400 / 690 \mathrm{~V}$ | Enclosed <br> $400 / 690 \mathrm{~V}$ | $\mathrm{M}=12,5 \mathrm{~mm}$ | $\mathrm{~mm}^{2}$ | $\mathrm{~kg} / \mathrm{pcs}$ |
| A-S/T6 630 | SDC, KSIK | 5305.0197 .0 | - | 630 A | 38 | - | 16.1 |
| A-S/T6 800 | SDC, KSIK | 5305.0198 .0 | - | 800 A | 38 | - | 16.1 |
| A-T7 1000 | SDC, KSIK | 5305.0294 .0 | - | 1000 A | 42 | - | 16.1 |

## Ordering information

## Accessories for switches and breaker adapters



## -

## Interlocking mechanism

Mechanical interlocking mechanism for SEKOD. Preventing activation of a SEKOD if the other one is not in the OFF-position.

| Designation | Suitable for | ID number | Rated data | Weight <br> $\mathrm{kg} / \mathrm{pcs}$ |
| :--- | :--- | :--- | :---: | :---: |
| ILM 125 | SEKOD 125 | 6309.0036 .0 | - | 0.3 |
| ILM 224 | SEKOD 224 | 6309.0032 .1 | - | 0.8 |
| ILM 355 | SEKOD 355 | 6309.0034 .0 | - | 0.6 |

## Parallel mechanism

Parallel handle for the connection and disconnection of two parallel mounted SEKOD 224.

| Designation | Suitable for | ID number | Rated data | Weight <br> $\mathrm{kg} / \mathrm{pcs}$ |
| :--- | :--- | :--- | :--- | :--- |
| PSM 224 | SEKOD 224 | 6309.0031 .1 | - | 0.7 |

## Linking knife

Replaces the fuse for switching with linking knife. Linking knife is delivered in sets of 3 pieces.

| Designation | Suitable for | ID number | Rated data | Weight <br> $\mathrm{kg} / \mathrm{pcs}$ |
| :--- | :--- | :--- | :--- | :--- |
| KN 00 | SEKOD 125 | 5319.0319 .0 | 160 A | 0.3 |
| KN 1 | SEKOD 224, SEKOD 355 | 5319.0345 .0 | 400 A | 0.6 |

## Insulated connector

Insulated connector for parallel conductors circuit breakers ABB Tmax T5.

| Designation | Suitable for | ID number | Rated data | Weight <br> $\mathrm{kg} / \mathrm{pcs}$ |
| :--- | :--- | :--- | :--- | :--- |
| ADP 300 |  |  | $400 \mathrm{~V}, 535 \mathrm{~A}$ | 0.8 |

## Ordering information

Cable connectors AD

|  |
| :--- | :--- | :--- | :--- |

## Ordering information

Accessories for cable connectors AD


KSBH 300
Connector accessories

KSBH 300 intended for cover of disconnected cable with ADI 300 or AD 2150. ADN is a spacer for PEN bars and is used with AD 300.

| Designation | Description | Suitable <br> for | ID number | Rated data | Weight |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  | kg/pcs |  |
| KSBH 300 | Protection cover | ADI 300, AD 2150 | 6319.0111 .1 | - | 0.3 |
| ADN | Spacer | AD 300 | 6303.0231 .0 | 500 A | 0.3 |

ADN

## Ordering information

## Busbars KSFS, KSNS

$\qquad$
Busbar system KSFS, KSNS

Kabeldon busbar system, available as a fully IP 2X protected busbar system, available in different lengths. Busbars up to a rated current of 1600 A are avaliable for mounting in cable distribution cabinets and up to 2500 A for wall and compact secondary station installations.

|  | Designation | ID number | Rated current | Width |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |

Busbars without protection against accidental contact, 400-1000 A IP 00

| Designation | ID number | Rated current | Width |  | Weight |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |
|  |  | $400 / 690 \mathrm{~V}$ |  |  |  |
| KSNS 420 | 4332.0192 .0 | 400 A | 20 | 250 | 0.2 |
| KSNS 440 | 4332.0193 .0 | 400 A | 40 | 585 | 0.4 |
| KSNS 443 | 4332.0052 .1 | 400 A | 43 | 569 | 0.3 |
| KSNS 460 | 4332.0194 .0 | 400 A | 60 | 784 | 0.5 |
| KSNS 463 | 4332.0053 .1 | 400 A | 63 | 809 | 0.5 |
| KSNS 473 | 4332.0196 .0 | 400 A | 73 | 900 | 0.5 |
| KSNS 498 | 4332.0190 .0 | 400 A | 98 | 1214 | 0.7 |
| KSNS 498 KSIK | 4332.0195 .0 | 400 A | 98 | 1266 | 0.8 |
| KSNS 1098 | 4332.0169 .0 | 1000 A | 98 | 1212 | 3.0 |
| KSNS 1098 KSIK | 4332.0343 .0 | 1000 A | 98 | 1264 | 3.7 |
| KSNS 10126 | 4332.0163 .0 | 1000 A | 126 | 1600 | 1.7 |
| KSNS 10149 | 4332.0164 .0 | 1000 A | 149 | 1890 | 1.9 |
| KSNS 10181 | 4332.0165 .0 | 1000 A | 181 | 2300 | 2.0 |

## Ordering information

## Accessories for busbar system

## - <br> 5-wire system

Kit for conversion to 5 -wire system, TN-S or TN-C-S. The kit includes a 400 A non-protected busbar. For additional information regarding an upgrading kit for 1000 A or for use in enclosure type KSIK, contact your supplier.



AB 800-53, AB 1200-53, AB 1200-70


## Vertical PEN bar

Vertical PEN-bar, used in enclosures where there is not enough space on the PEN bar.

| Designation | ID number | Dimensions |  |  | Weight |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |
|  |  | Height | Width | Depth |  |
|  |  | mm | mm | mm | $\mathrm{kg} / \mathrm{pcs}$ |
| KSNSV 410 | 6312.0002 .0 | 160 | 36 | 72 | 0.3 |

[^0]
## Connection kit for rear busbar connection

For connection to the back of the busbar; fits KSFS 1000 A and KSFS 1600 A bars. The kit includes: plastic cover, thread insert, M12/M16 length 53 respectively 70 mm , connecting washer, flat washer, $\varnothing 36 \mathrm{~mm}$, compression washer, $\varnothing 29 \mathrm{~mm}$, nut, M12. Cable lug is not included in the kit.

| Designation | ID-nummer | Rated <br> data | Diameter | Length of <br> thread insert | Weight |
| :--- | :--- | :--- | :--- | :--- | :--- |

## Ordering information

Busbar supports KSST, MSB, KLKB


KSST-CDC


KSST 36-CDC


MSB 316


MSB 316/100
$\qquad$
Busbar supports

| Designation | Suitabl |  | ID number | Free space Weight behind busbar |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Busbar | Enclosure |  |  |  |

Busbar supports for CDC, SDC and wall mounted installations.

| KSST 316 | $400 \mathrm{~A}, 630 \mathrm{~A}, 1000 \mathrm{~A}, 1600 \mathrm{~A}$ | wall | 5332.0104 .0 | 9 | 0.5 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| KSST 316/23 | $400 \mathrm{~A}, 630 \mathrm{~A}, 1000 \mathrm{~A}, 1600 \mathrm{~A}$ | SDC / wall | 5332.0106 .0 | 23 | 0.8 |
| KSST 316/100 | $400 \mathrm{~A}, 630 \mathrm{~A}, 1000 \mathrm{~A}, 1600 \mathrm{~A}$ | wall | 5332.0105 .0 | 100 | 1.1 |
| KSST-CDC | $400 \mathrm{~A}, 630 \mathrm{~A}$ | CDC | 5332.0231 .0 | 15 | 0.4 |

Used in split and shortened busbar systems in CDC enclosures

| KSST 36-CDC | $400 \mathrm{~A}, 630 \mathrm{~A}$ | CDC | 5332.0187 .0 | 15 | 0.3 |
| :--- | :--- | :--- | :--- | :--- | :--- |

## Middle support

In order to fulfill the requirements for short-circuit strength a middle support is mounted when the distance between two busbar supports exceeds 1.25 meters. Not required in Kabeldon standard enclosures unless they are built together with a throughgoing busbar system.

| Designation | Suitable <br> for Busbar support | ID number | Width | Free space <br> behind <br> busbar |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  | $\mathrm{M}=12,5 \mathrm{~mm}$ | mm | $\mathrm{~kg} / \mathrm{pcs}$ |
| MSB 316 | KSST 316 | 5332.0201 .0 | 1 | 0.5 |  |
| MSB $316 / 23$ | KSST 316/23 | 5332.0202 .0 | 1 | 9 | 0.8 |
| MSB 316/100 | KSST 316/100 | 5332.0203 .0 | 1 | 23 | 1.5 |

## Busbar bridge



KLKB-S 630, 1200

Bar bridge to interconnect busbar systems between two enclosures.

| Designation | Suitable for <br> Enclosure | ID number | Rated current | Weight |
| :--- | :--- | :--- | :--- | :--- |
|  |  |  | $400 / 690 \mathrm{~V}$ | $\mathrm{~kg} / \mathrm{pcs}$ |
| KLKB-S 630 | SDC | 5309.0053 .0 | 630 A | 3.4 |
| KLKB-S 1250 | SDC | 5309.0054 .0 | 1250 A | 6.6 |

## Ordering information

## Busbar systems for substations and wall installations KSFS, KSNS



KSFS 2500 A


KSNS 2500 A

## Busbar systems

Busbar system for substations and wall mounted installations. It is simple to connect the power supply on the rear side with connection washer AB 2500 CSS without any treatment of the busbar. Each busbar is lifted into place separately from the front, prior to attachment.

| Designation | ID number | Rated current | Busbar width | Dimensions |  |  | Weight <br> kg/pcs |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Height mm | Width mm | Depth mm |  |

Insulated busbars.
Degree of protection IP2X

| KSFS 25150 CSS | 5332.0354 .0 | 2500 A | 150 | 70 | 1910 | 49 | 8.8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| KSFS 25182 CSS | 5332.0353 .0 | 2500 A | 182 | 70 | 2310 | 49 | 10.6 |

Non-insulated busbars.
Busbars for use as PEN, PE or N busbars. Degree of protection IP00.

| KSNS 25150 CSS | 4332.0501 .0 | 2500 A | 150 | 70 | 1910 | 49 | 8.8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| KSNS 25182 CSS | 4332.0500 .0 | 2500 A | 182 | 70 | 2310 | 49 | 10.6 |



KSST 325 CSS

[^1]

KSST 325 CSS-F

## —

Busbar supports

| Designation | Suitable for | ID number | Width | Dimensions |  |  | Weight <br> kg/pcs |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Height mm | Width mm | Depth mm |  |

Reinforced busbar support for wall mounting, includes an additional support for lateral movements.

| KSST 325 CSS | KSFS 25XXX | 5332.0251 .0 | - | 365 | 43 | 114 | 2.4 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Support for frame mounting. To be placed between two opposing walls, providing support for the busbars

| KSST 325 CSS-F | KSFS 25XXX | 5332.0249 .0 | - | 365 | 27 | 114 | 1.2 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

In order to fulfill the requirements for short-circuit strength normally a middle support is mounted when the distance between two busbar supports exceeds 1.25 meters.

| MSB 325 CSS | KSFS 25XXX | 5332.0250 .0 | 2 | 365 | 19.5 | 114 | 1.2 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |



## Ordering information

## Accessories for wall installations KSFS, KSNS



ADR

Busbar accessories

| Designation | ID number | Rated data |
| :--- | :--- | :--- |
|  |  | Weight |
|  |  | $\mathrm{kg} / \mathrm{pcs}$ |

For connection at the rear of CSS 2500 A busbar

| AB 2500 CSS | 5332.0248 .0 | $690 \mathrm{~V}, 2500 \mathrm{~A}$ | 0.3 |
| :--- | :--- | :--- | :--- |

Connector kit for connection to the front of the busbar, with M8 or M10 thread.

| ADR M8 | 6303.0239 .0 | $500 \mathrm{~V}, 630 \mathrm{~A}$ | 0.1 |
| :--- | :--- | :--- | :--- |
| ADR M10 | 6303.0240 .0 | $500 \mathrm{~V}, 630 \mathrm{~A}$ | 0.1 |

For connection to the front of the busbar, with Ø12 hole.

| ADR H12 | 6303.0259 .0 | $500 \mathrm{~V}, 630 \mathrm{~A}$ | 0.1 |
| :--- | :--- | :--- | :--- |

—

## Connection clamps

| Designation | ID number | Cable area <br> $\mathrm{mm}^{2}$ | Busbar |  | Dimensions |  |  | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Width mm | Thickness mm | Height mm | Width mm | Depth mm |  |
| TC 70-15 | 6303.0203 .1 | $10 . . .70$ | 15 | 2-4 | 47 | 26 | 16 | 0.04 |
| TC 120-20 | 6303.0204 .1 | $35 \ldots 120$ | 20 | 3-5 | 60 | 32 | 22 | 0.08 |
| TC 300-25 | 6303.0205 .1 | $70 . . .300$ | 25 | 4-6 | 85 | 40 | 30 | 0.2 |
| TC 300-40 | 6303.0209.1 | $95 \ldots 300$ | 40 | 4-6 | 84 | 47 | 30 | 0.2 |
| TCD 185-25 | 6303.0206 .1 | $2 \times 50 \ldots 185$ | 25 | 4-6 | 75 | 48 | 30 | 0.2 |
| TCD 300-40 | 6303.0207 .1 | $2 \times 95 \ldots 300$ | 40 | 6-6 | 84 | 65 | 30 | 0.3 |

TCD

## Ordering information

General accessories


## Accessories

| Designation | ID number | Rated data | Cable |  | Dimensions |  | Weight |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  | $\mathrm{mm}^{2}$ |  | mm | mm | mm |
|  |  |  |  | $\mathrm{~kg} / \mathrm{pcs}$ |  |  |  |

Temporary outlet, to be mounted directly on the busbar. Conductor cross section, max. $35 \mathrm{~mm}^{2} \mathrm{Al} / \mathrm{Cu}$. Diazed fuse max 25 A .

| TFU 25 | 6314.0001 .0 | $230 \mathrm{~V}, 25 \mathrm{~A}$ | $1.5-35$ | 0.3 |
| :--- | :--- | :--- | :--- | :--- |

Plate for sealing phase bar

| PSFS 5 | 5305.0143 .0 | - | - | 230 | 60 | 25 | 0.1 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| PSFS 17 | 5305.0144 .0 | - | - | 230 | 210 | 25 | 0.1 |

PSFS 5, PSFS 17

## Ordering information

Accessories for energy metering


## Ordering information

## Accessories for energy metering



TRAFO-CD 630, TRAFO-SD 630/1250

## Current transformer metering

Complete kits for current transformer metering, to be used for 630 A or 1250 A. TRAFO-CD and TRAFO-SD contains:

- 1 kit Busbar bridges including busbar supports
- Fuse switch disconnector SLD 000
- 2 Neutral terminals ADC 25
- 1 Seal cover

| Designation | Suitable for | ID number | Width$M=12,5 \mathrm{~mm}$ | Dimensions |  |  | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Height mm | Width mm | Depth mm |  |
| TRAFO-CD 630 | CDC, CDCM, CDCP | 6319.0392 .0 | 13 | 730 | 160 | 195 | 5.5 |
| TRAFO-SD 630 | SDC, SDCM, KSIK | 6319.0391 .0 | 13 | 730 | 160 | 250 | 5.5 |
| TRAFO-SD 1250 | SDC, SDCM, KSIK | 6319.0390 .0 | 19 | 730 | 225 | 250 | 8.9 |

## Busbar bridges

Busbar bridges including busbar supports for current transformer, for 630 A or 1250 A.
May only be installed on voltage free busbar.

| Designation | Suitable for | ID number | Width$M=12,5 \mathrm{~mm}$ | Dimensions |  |  | Weight <br> kg/pcs |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Height mm | Width mm | Depth mm |  |
| KSSM-S 630 | SDC, SDCM, KSIK | 6309.0017 .0 | 9 | 321 | 115 | 126 | 2.7 |
| KSSM-S 1250 | SDC, SDCM, KSIK | 6309.0018 .0 | 15 | 321 | 192 | 137 | 6.1 |

KSSM-S 630/1250


| Dimensions |  |  |  |  |
| :--- | :--- | :--- | :--- | ---: |
| Rated current | A | B | C | D |
|  |  |  |  | $\mathbf{m m}$ |
| 630 | 30 | 50 | 40 | 10 |
| 1250 | 30 | 60 | 40 | 20 |



## Cable Distribution Cabinets Table of contents

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## Cable Distribution Cabinets

Safe and reliable electrical distribution

Kabeldon Cable distribution cabinets provide a robust and safe solution with uncompromised lifetime. The cabinet provides a number of significant benefits such as continuous operation, space saving and fast installation. These benefits are important for achieving low operating cost and high reliability in low voltage distribution systems.



Continuous operation
Kabeldon cable distribution cabinets are designed specifically for outdoor usage and to withstand various environmental conditions. They have a prestigious track record for having a long lifetime and being reliable over time. Parts which are mounted below ground are reinforced with a polymer coating for heavy-duty corrosion protection. Verified to withstand external mechanical impacts according to IEC 61439, arctic climate.


Speeds up your project
The Kabeldon CDC range is delivered with ground foundations as an integral part of the design, no separate mounting is needed. The cabinet is fully assembled with busbars and busbar supports, complete and delivered from the factory, ready for direct installation. The flexible foundation legs enable easy installation in various conditions. The modular dimension system enables quick and easy calculation of the space required.


Space saving
The compact design of the cabinet is specifically designed to optimize the mounting of the Kabeldon IP system. There is an 85 mm distance between the phase minimized height occupation to ensure ease of installation. It is deliberately designed to be a discrete object in public environments, next to buildings, in parks etc.


## Cable Distribution Cabinets

## Installation combination examples

# Kabeldon cable distribution cabinets can be installed and mounted as modules in a number of ways to maximize the flexibility and usability of the system. 

CDC - a versatile range of enclosures with a timeless design
CDC was developed in close collaboration with users and meets the requirements for simplicity and flexibility. A number of practical functions make the installer's work easier. The cabinets can also be used for broadband systems using fibre-optic cables, for telecom installations and cable TV.

SDC - a versatile enclosure with extra depth
This enclosure is designed for both indoor and outdoor distribution boards. SDC is hot-dip galvanized and has a design that harmonizes well with the CDC series, so that the two can be used together. There is also a variant with a top section for metering or other equipment.

KSIK - powder coated enclosure for indoor usage
A suitable enclosure for indoor distribution boards e.g. in industry, buildings, sports facilities and warehouses. KSIK has openings on the sides to enable easy assembly of throughgoing busbar systems.



SDCM 48 + SDCM 98


CDC 40 + CDCA

## Cable Distribution Cabinets

Safe and reliable electrical distribution

## Modular system

All parts that can be connected to the busbar system have modular dimensions (one module $\mathrm{M}=12.5 \mathrm{~mm}$ ). This makes it easy to calculate the space required by a particular distribution board and then to choose a suitable enclosure.

## Type designation

CDC xyz (CDC = enclosure type. This may be replaced by SDC or KSIK).
$x$ = rated current
0 = cabinet without busbar system
4 = busbar system with rated current 400 A
6 = busbar system with rated current 630 A
$y z=$ number of modules available on the busbar (20, 40, 48 etc.)



To reduce the risk of condensation we recommend filling the foundation with sand, leca and/or using a damp barrier type Cxx-DB above the foundation.

## Excavation depth

To ensure an attractive and functional installation in the ground, we recommend excavating to a depth at which about 10 cm of the foundation is visible above the restored surface. A marking label indicates the ground level.

## Special operating conditions

With this type of installation, consideration must be given to the risk of condensation, dust, vibration and impacts.

All enclosures CDC and SDC have ventilation apertures between the cover plate and the door and between the door and the roof, both on the front and back of the enclosure.

## Ordering information

Cable distribution cabinets CDC


CDC 440
Cabinets installed with mounting plate and integrated foundation.

| Designation | ID number | Rated current$400 / 690 \mathrm{~V}$ | Busbar width$M=12,5 \mathrm{~mm}$ | Dimensions |  |  | Lock | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Height mm | Width mm | Depth mm |  |  |
| CDC 020 | 6330.0396 .0 | - | - | 1200 | 350 | 220 | CDC-LT | 36 |
| CDC 040 | 6330.0397 .0 | - | - | 1200 | 600 | 220 | CDC-LT | 50 |
| CDC 060 | 6330.0398 .0 | - | - | 1200 | 850 | 220 | CDC-LT | 64 |
| CDCF 020 | 2CGD000436A1000 | - | - | 1200 | 350 | 220 | CDC-LTC |  |
| CDCF 040 | 2CGD000437A1000 | - | - | 1200 | 600 | 220 | CDC-LTC | 50 |
| CDCF 060 | 2CGD000438A1000 | - | - | 1200 | 850 | 220 | CDC-LTC | 64 |

## Ordering information

Cable distribution cabinets CDC


CDCM 440


CDCP from the back


Integral pole bracket

## Cable distribution cabinets CDCM

Cabinets with an upper section that can be locked separately. CDCM OXO is delivered with steel mounting plate in the lower section.

| Designation | ID number | Rated current$400 \text { / }$$690 \mathrm{~V}$ | Busbar width $\mathrm{M}=$ <br> $12,5 \mathrm{~mm}$ | Dimensions |  |  | Lock <br> Lower/upper | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Height mm | Width mm | Depth mm |  |  |
| CDCM 020 | 6330.0530 .1 | - | - | 1800 | 350 | 220 | CDC-LSE / CDC-LA | 49 |
| CDCM 040 | 6330.0608 .0 | - | - | 1800 | 600 | 220 | CDC-LSE / CDC-LA | 68 |
| CDCM 420 | 6330.0430 .1 | 400 A | 20 | 1800 | 350 | 220 | CDC-LSE / CDC-LA | 47 |
| CDCM 440 | 6330.0609 .0 | 400 A | 40 | 1800 | 600 | 220 | CDC-LSE / CDC-LA | 65 |
| CDCM 640 | 6330.0610 .0 | 630 A | 60 | 1800 | 600 | 220 | CDC-LSE / CDC-LA | 66 |

## Cable distribution cabinets CDCP - pole mounted

Pole-mounted cabinets supplied with integral pole bracket, busbar system or mounting plate and a cable duct to the ground. On the back there is an opening for an earthing line and an opening for temporary connections. Breakouts for up to seven cable ducts. Screws for a wooden pole are included.

| Designation | ID number | Rated current$400 \text { / }$$690 \text { V }$ | Busbar width$\begin{aligned} & M= \\ & 12,5 \mathrm{~mm} \end{aligned}$ | Dimensions |  |  | Number of cable ducts | Lock | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Height mm | Width mm | Depth mm |  |  |  |
| CDCP 020 | 6330.0621 .0 | - | - | 1200 | 350 | 382 | 0-3 | CDC-LSE | 45 |
| CDCP 040 | 6330.0622 .0 | - | - | 1200 | 600 | 382 | 0-7 | CDC-LSE | 61 |
| CDCP 420 | 6330.0428 .0 | 400 A | 20 | 1200 | 350 | 382 | 0-3 | CDC-LT | 43 |
| CDCP 440 | 6330.0429 .0 | 400 A | 40 | 1200 | 600 | 382 | 0-7 | CDC-LT | 58 |

## Ordering information

## Accessories for cable distribution cabinets CDC

## Base plate

For stabilization of the foundation.


| Designation | Suitable for | ID number | Dimensions |  |  | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Height mm | Width mm | Depth mm |  |
| C 20-BP | CDC X20, CDCM X20 | 5331.0725 .0 | 25 | 345 | 130 | 0.8 |
| C 40-BP | CDC X40, CDCM X40 | 5331.0726 .0 | 25 | 595 | 130 | 1.5 |
| C 60-BP | CDC X60, CDCM X60 | 5331.0727 .0 | 25 | 845 | 130 | 2.2 |

## Damp barrier

To prevent moisture inside of the cabinet.

C20-DB

## Marking pole

Marking pole made of strong steel and equipped with signal marking and reflective tape, delivered with screws.

| Designation | Suitable for | ID number | Dimensions |  |  | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Height mm | Width mm | Depth mm |  |
| KSPS 7 | CDC, CDCM, SDC, SDCM | 6319.0146 .0 | 1120 | 30 | 30 | 2.0 |
| KSPS 8 | CDC, CDCM, SDC, SDCM | 6319.0147 .0 | 1650 | 30 | 30 | 3.3 |

## Ordering information

## Accessories for cable distribution cabinets CDC



MPP 20


MPT 40

## Mounting plate

To be mounted in the upper part of CDCM. MPP is made of steel and MPT is made of wood.

| Designation | Suitable for | ID number | Dimensions |  |  | Weight <br> kg/pcs |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Height mm | Width mm | Depth mm |  |
| MPP 20 | CDCM 20 | 5331.0665 .0 | 540 | 270 | 20 | 2.0 |
| MPT 40 | CDCM 40 | 5331.0724 .0 | 550 | 550 | 35 | 1.9 |

## Rock hold

Rock hold for cable distribution cabinets type CDC when installed in rocky ground.

| Designation | Suitable for | ID number | Dimensions |  |  | Weight <br> kg/pcs |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Height mm | Width mm | Depth mm |  |
| BERG 250 | CDC | 6330.0649 .0 | 370 | 130 | 30 | 1.9 |

- 

Wall spacer and bracket

Used to mount the cabinet to a wall.

| Designation | Suitable for | ID number | Dimensions |  |  | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Height <br> mm | Width mm | Depth <br> mm |  |
| FV | CDC | 6319.0225 .1 | 50 | 85 | 135 | 1.9 |
| VF 100 | CDC, SDC | 5331.0678 .0 | 40 | 35 | 258 | 0.2 |

## Ordering information

## Accessories for cable distribution cabinets CDC



## Cable channels with accessories

For usage with CDCP installation.

| Designation | Suitable for | ID number | Dimensions |  |  | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Height mm | Width mm | Depth mm |  |
| Cable channel $2 \times 2.4 \mathrm{~m}$ with joining piece KKCS. |  |  |  |  |  |  |
| KKC 5 | CDCP | 5319.0243 .0 | 234 | 115 | 60 | 3.2 |
| KKCS | CDCP | 5319.0244 .0 | 60 | 60 | 100 | 0.2 |
| Cable channel holder for 1 to 3 cable channels. |  |  |  |  |  |  |
| KHB 3 | CDCP | 6319.0245 .0 | 110 | 270 | 185 | 0.3 |
| Cable channel holder for 3 to 5 cable channels. |  |  |  |  |  |  |
| KHB 5 | CDCP | 6319.0246 .0 | 40 | 380 | 290 | 0.4 |
| Cable channel holder for 5 to 7 cable channels. |  |  |  |  |  |  |
| KHB 7 | CDCP | 6319.0279 .0 | 740 | 400 | 50 | 0.6 |
| Extra support for cable channel |  |  |  |  |  |  |
| KKS | CDCP | 6319.0286 .0 | 290 | 510 | 60 | 0.4 |

## - <br> Bottom cover

For covering bottom of CDCP.


| Designation | Suitable for | ID number |  | Dimensions |  | Weight |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |  |  |
|  |  |  | Height | Width | Depth |  |  |
|  |  |  | mm | mm | mm | $\mathrm{kg} / \mathrm{pcs}$ |  |
| CDCP-TP |  |  | 5331.0728 .0 | 16 | 280 | 191 | 0.6 |

## Ordering information

Cable distribution cabinets SDC

## Cable distribution cabinets SDC

The SDC range is suitable for electrical distribution applications such as main distributions boards, construction site distribution boards or for temporary power distribution. It adds flexibility to the distribution system with the possibility to install a broad range of switching devices such as switch fuses and moulded case circuit breakers. Foundation to be ordered separately.


SDC 448

Cabinets with busbar system included.

| Designation | ID number | Rated current 400 / <br> 690 V | Busbar <br> width $\begin{aligned} & \mathrm{M}= \\ & 12,5 \mathrm{~mm} \end{aligned}$ | Dimensions |  |  | Lock | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Height mm | Width mm | Depth mm |  |  |
| SDC 448 | 6330.0431 .0 | 400 | 48 | 889 | 682 | 312 | SDC-LT | 48 |
| SDC 473 | 6330.0552 .0 | 400 | 73 | 889 | 996 | 312 | SDC-LT | 60 |
| SDC 648 | 6330.0432 .0 | 630 | 48 | 889 | 682 | 312 | SDC-LT | 49 |
| SDC 673 | 6330.0553 .0 | 630 | 73 | 889 | 996 | 312 | SDC-LT | 62 |
| SDC 698 | 6330.0434 .0 | 630 | 98 | 889 | 1310 | 312 | SDC-LT | 75 |
| SDC 1048 | 6330.0458 .0 | 1000 | 48 | 889 | 682 | 312 | SDC-LT | 50 |
| SDC 1073 | 6330.0554 .0 | 1000 | 73 | 889 | 996 | 312 | SDC-LT | 63 |
| SDC 1098 | 6330.0459 .0 | 1000 | 98 | 889 | 1310 | 312 | SDC-LT | 76 |
| SDC 673 LD | 6330.0635 .0 | 630 | 73 | 889 | 996 | 242 | SDC-LSE | 59 |
| SDC 698 LD | 6330.0571 .0 | 630 | 98 | 889 | 1310 | 242 | SDC-LSE | 73 |

Busbar systems 1600 A on request.


SDC 073

Cabinets with no busbar system included.

| Designation | ID number | Rated current$400 / 690 \mathrm{~V}$ | Busbar width$\begin{aligned} & M= \\ & 12,5 \mathrm{~mm} \end{aligned}$ | Dimensions |  |  | Lock | Weight <br> kg/pcs |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Height mm | Width mm | Depth mm |  |  |
| SDC 048 | 6330.0433 .0 | - | - | 889 | 682 | 312 | SDC-LT | 46 |
| SDC 073 | 6330.0551 .0 | - | - | 889 | 996 | 312 | SDC-LT | 58 |
| SDC 098 | 6330.0437 .0 | - | - | 889 | 1310 | 312 | SDC-LT | 70 |

[^2]
## Ordering information

## Cable distribution cabinets SDC



SDCM 648

## Cable distribution cabinets SDCM with upper section

Cabinets with an upper section that can be locked separately. SDCM OXX is delivered without a busbar system in the lower section. Foundations to be ordered separately.

| Designation | ID number | Rated current$400 \text { / }$$690 \text { V }$ | Busbar width$M=$$12,5 \mathrm{~mm}$ | Dimensions |  |  | Lock <br> Lower/upper | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Height mm | Width mm | Depth mm |  |  |
| SDCM 048 | 6330.0443 .0 | - | - | 1523 | 682 | 312 | SDC-LT / SDC-LA | 72 |
| SDCM 073 | 6330.0561 .0 | - | - | 1523 | 996 | 312 | SDC-LT / SDC-LA | 92 |
| SDCM 098 | 6330.0444 .0 | - | - | 1523 | 1310 | 312 | SDC-LT / SDC-LA | 111 |
| SDCM 448 | 6330.0435 .0 | 400 A | 48 | 1523 | 682 | 312 | SDC-LT / SDC-LA | 74 |
| SDCM 473 | 6330.0562 .0 | 400 A | 73 | 1523 | 996 | 312 | SDC-LT / SDC-LA | 94 |
| SDCM 648 | 6330.0436 .0 | 630 A | 48 | 1523 | 682 | 312 | SDC-LT / SDC-LA | 75 |
| SDCM 673 | 6330.0563 .0 | 630 A | 73 | 1523 | 996 | 312 | SDC-LT / SDC-LA | 96 |
| SDCM 698 | 6330.0438 .0 | 630 A | 98 | 1523 | 1310 | 312 | SDC-LT / SDC-LA | 116 |

## Ordering information

## Accessories for cable distribution cabinets SDC



## SDC foundations

For mounting of SDC cabinets. GOLV-S is intended for floor mounting and MARK-S for ground installation.

| Designation | Suitable for | ID number | Dimensions |  |  | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Height mm | Width mm | Depth mm |  |
| MARK-S 48 | SDC X48, SDCM X48 | 6330.0439 .0 | 940 | 672 | 303 | 30 |
| MARK-S 73 | SDC $\times 73$, SDCM X73 | 6330.0549 .0 | 940 | 986 | 303 | 36 |
| MARK-S 98 | SDC X98, SDCM X98 | 6330.0440 .0 | 940 | 1300 | 303 | 42 |
| MARK-S 73 LD | SDC 73 LD | 6330.0636 .0 | 940 | 986 | 233 | 36 |
| MARK-S 98 LD | SDC 98 LD | 6330.0572 .0 | 940 | 1300 | 233 | 40 |
| GOLV-S 48 | SDC X48, SDCM X48 | 6330.0441 .0 | 400 | 672 | 303 | 23 |
| GOLV-S 73 | SDC $\times 73$, SDCM X73 | 6330.0550 .0 | 400 | 986 | 303 | 30 |
| GOLV-S 98 | SDC X98, SDCM X98 | 6330.0442 .0 | 400 | 1300 | 303 | 36 |

## Bottom Plate

To be used with wall mounted installation of SDC.

| Designation | Suitable for | ID number | Dimensions |  |  | Weight <br> $\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Height mm | Width mm | Depth mm |  |
| BPF-S 48 | SDC X48, SDCM X48 | 5331.0629 .0 | 30 | 675 | 282 | 4 |
| BPF-S 73 | SDC X73, SDCM X73 | 5331.0682 .0 | 30 | 986 | 282 | 5 |
| BPF-S 98 | SDC X98, SDCM X98 | 5331.0630 .0 | 30 | 1300 | 282 | 6 |



## Lower door

With outlet opening for temporary installations.

| Designation | Suitable for | ID number | Dimensions |  |  | Weight <br> $\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Height mm | Width mm | Depth mm |  |
| SLUS 48 | SDC X48, SDCM X48 | 5331.0666 .0 | 288 | 626 | 22 | 5 |
| SLUS 73 | SDC $\times 73$, SDCM $\times 73$ | 5331.0684 .0 | 288 | 940 | 22 | 8 |
| SLUS 98 | SDC X98, SDCM X98 | 5331.0668 .0 | 288 | 1254 | 22 | 10 |

## Ordering information

## Accessories for cabinets SDC

KSPS 7


MPP-S 48

## Marking pole

Marking pole made of strong steel and equipped with signal marking and reflective tape.

| Designation | Suitable for | ID number | Dimensions |  |  | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Height mm | Width mm | Depth mm |  |
| KSPS 7 | CDC, CDCM, SDC, SDCM | 6319.0146 .0 | 1120 | 30 | 30 | 2.0 |
| KSPS 8 | CDC, CDCM, SDC, SDCM | 6319.0147 .0 | 1650 | 30 | 30 | 3.3 |

## Mounting plates

To be mounted in the lower and upper part of SDC / SDCM. MPP and KSMP made of steel and MPT in wood. KSMP-S 48/73 is perforated with hole pitch 38 mm (Ø 3.5).

| Designation | Suitable for | ID number | Dimensions |  |  | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Height mm | Width mm | Depth mm |  |
| MPP-S 48 | SDCM X48, SDCM X98 | 5319.0334 .0 | 580 | 590 | 25 | 3.0 |
| MPP-S 73 | SDCM X73 | 5331.0735 .0 | 580 | 860 | 25 | 7.0 |
| MPT-S 48 | SDCM X48, SDCM 98 | 5331.0647 .0 | 580 | 600 | 35 | 2.2 |
| MPT-S 73 | SDCM X73 | 5331.0688 .0 | 580 | 890 | 35 | 3.3 |
| KSMP-S 48 | SDC X48 | 5319.0332 .1 | 780 | 660 | 21 | 5.0 |
| KSMP-S 73 | SDC $\times 73$ | 5319.0335 .1 | 780 | 974 | 21 | 8.0 |
| KSMP-S 98 | SDC X98 | 5319.0333 .1 | 780 | 1288 | 21 | 11.0 |

## Wall spacer and brackets

Used to mount the cabinet to a wall.

| Designation | Suitable for | ID number | Dimensions |  |  | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Height <br> mm | Width mm | Depth <br> mm |  |
| VF-S 30 | SDC | 5331.0643 .1 | 520 | 40 | 35 | 0.5 |
| FV | CDC, SDC | 6319.0225 .1 | 50 | 85 | 135 | 1.9 |
| VF 100 | CDC, SDC | 5331.0678 .0 | 40 | 35 | 258 | 0.2 |

## Ordering information

## Indoor cable distribution cabinets KSIK

## -

## Indoor cable distribution cabinets

The KSIK range is designed for indoor usage and enables installation of a wide variety of switches. It is an enclosure with degree of protection IP 34D, well suited for installations in industry and buildings. The cabinet has openings in its side to allow busbars to pass through where more than one enclosure is combined.

- Suppled complete with wall brackets
- Powder coated
- Split base plate
- Flange openings, size FL 33 in each side panel
- Delivered with DIN lock


KSIK

Cabinets with busbar system included.

| Designation | ID number | Rated current$400 / 690 \mathrm{~V}$ | Busbar width$M=12,5 \mathrm{~mm}$ | Dimensions |  |  | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Height mm | Width mm | Depth mm |  |
| KSIK 443 | 6330.0414 .2 | 400 A | 43 | 900 | 655 | 325 | 45 |
| KSIK 463 | 6330.0415 .2 | 400 A | 63 | 900 | 895 | 325 | 60 |
| KSIK 643 | 6330.0416 .2 | 630 A | 43 | 900 | 655 | 325 | 48 |
| KSIK 663 | 6330.0417 .2 | 630 A | 63 | 900 | 895 | 325 | 63 |
| KSIK 698 | 6330.0418 .2 | 630 A | 98 | 900 | 1350 | 325 | 81 |
| KSIK 1043 | 6330.0420 .2 | 1000 A | 43 | 900 | 655 | 325 | 51 |
| KSIK 1063 | 6330.0421 .2 | 1000 A | 63 | 900 | 895 | 325 | 66 |
| KSIK 1098 | 6330.0422 .2 | 1000 A | 98 | 900 | 1350 | 325 | 84 |
| KSIK 1643 | 6330.0423 .2 | 1600 A | 43 | 900 | 655 | 325 | 54 |
| KSIK 1663 | 6330.0424 .2 | 1600 A | 63 | 900 | 895 | 325 | 69 |
| KSIK 1698 | 6330.0425 .2 | 1600 A | 98 | 900 | 1350 | 325 | 87 |

Cabinets delieverd with mounting plate.

| Designation | ID number | Rated current$400 / 690 \mathrm{~V}$ | Busbar width$M=12,5 \mathrm{~mm}$ | Dimensions |  |  | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Height mm | Width mm | Depth <br> mm |  |
| KSIK 043 | 6330.0411 .1 | - | 43 | 900 | 655 | 325 | 42 |
| KSIK 063 | 6330.0412 .1 | - | 63 | 900 | 895 | 325 | 57 |
| KSIK 098 | 6330.0413 .1 | - | 98 | 900 | 1350 | 325 | 75 |

## Ordering information

## Accessory cabinets CDCA



CDCA


CDC 420


KSMU 16/32/63


CDCA-BV

Accessory cabinets CDCA complement the Kabeldon cabinet portfolio with solutions that can be mounted on the side of standard CDC and SDC ranges. For example it enables installation of temporary power outlets, meter panels and mounting plates.

## Accessory cabinet CDCA

- The cabinet includes a mounting plate.
- Outlet openings in the sides, the opening on the right side has a revolving seal with a choice of five openings. The seal can be moved to the left side.
- The bottom of the cabinet has an opening with integral strain relief for temporarily connected cables. When not in use, the opening is blanked off with the cover supplied.
- Inserts for temporary power outlets KSMU 16/32/63 can be installed in the cabinet, as well as meter panel MPF 25 B/MPF 63 B. Where meter panel MPF 25 B/ MPF 63 B is installed, upgrade kit CKM is required.

| Designation | ID number | Dimensions |  |  | Lock | Weight |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |  |
|  |  | Height | Width | Depth |  |  |
|  |  | mm | mm | mm |  | $\mathrm{kg} / \mathrm{pcs}$ |
| CDCA | 6330.0451 .0 | 730 | 280 | 218 | CDC-LT | 15 |

## Accessory cabinet CDCA-BV

An accessory cabinet for mounting to, for example, a contact line post.

- The cabinet is provided with flange opening FL 13.
- Flange opening FL 21 at the bottom.
- The cabinet can be equipped with mounting plate KSM 417 or with busbar system KSM 417.
- Inserts for temporary power outlets KSMUB 16/32 can be installed in the cabinet, as well as meter panel MPF 25 B/MPF 63 B. Where meter panel MPF 25 B/ MPF 63 B is installed, upgrade kit CKM is required. Four angular brackets for mounting are included.

| Designation | ID number | Dimensions |  |  | Lock | Weight |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |  |
|  |  | Height | Width | Depth |  |  |
|  |  | mm | mm | mm |  | $\mathrm{kg} / \mathrm{pcs}$ |
| CDCA-BV | 6330.0576 .0 | 730 | 280 | 218 | CDC-LT | 13 |

## Ordering information

## Accessories for cabinets CDCA



## Accessories for CDCA

| Designation | ID number | Dimensions |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  | Weight |  |  |
|  |  | Height | Width | Depth |  |
|  |  | mm | mm | mm | $\mathrm{kg} / \mathrm{pcs}$ |


| Mounting plate | 5331.0397 .0 | 705 | 220 | 15 | 1.2 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| KSM 017 |  |  |  |  |  |
| Mounting plate for 400A |  | 5331.0383 .1 | 705 | 220 | 55 |
| KSM 417 |  |  | 1.8 |  |  |

Upgrading kit for installing meter panel MPF 25/63 B in accessory cabinet CDCA or in low-profile meter cable enclosures.

| CKM | 5339.0034 .0 | 10 | 180 | 120 | 0.02 |
| :--- | :--- | :--- | :--- | :--- | :--- |

Temporary power outlets $1 \times 16+2 \times 10$ A or $1 \times 32+2 \times 10$ A with residual current device, miniature circuit-breaker and space for a kWh meter. Strength of short circuit 6 kA in combination with equipment max 63 A .

|  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| KSMUB 16 | 6330.0611 .0 | 190 | 710 | 220 | 5.5 |
| KSMUB 32 | 6330.0612 .0 | 190 | 710 | 220 | 5.5 |
|  |  |  |  |  |  |
| 5-wire system for KSM 417 |  | 50 | 50 | 215 | 0.4 |
| KSFL 17 | 5332.0115 .0 |  |  |  |  |

## Ordering information

## Telecom accessories

Telecom accessories
For mounting in CDC and SDC ranges.

| Designation | Suitable for | ID number | Dimensions |  |  | Weight <br> kg/pcs |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Height mm | Width mm | Depth mm |  |


| Cable coiler for $\mathbf{2 5} \mathrm{m}$ of $\mathbf{1 3 ~ m m ~ O D ~ c a b l e ~}$ |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| CDC, SDC | 5331.0695 .0 | 415 | 215 | 153 | 0.6 |
| CC 20 |  |  |  |  |  |



| Cable coiler for $\mathbf{3 0} \mathbf{~ m}$ of $\mathbf{1 6 ~ m m ~ O D ~ c a b l e ~}$ |  |  |  |  |  |  |
| :--- | :---: | :--- | :--- | :--- | :--- | :--- | :--- |
| CC 30 | CDC, SDC | 5331.0689 .0 | 740 | 550 | 155 | 2.5 |

Bracket for fibre-optic cable junction box from Tykoflex

| BK-T | CDC, SDC | 5331.0690 .0 | 225 | 160 | 10 | 0.3 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Bracket for fibre-optic cable junction box from Ericsson

| BK-E | CDC, SDC | 5331.0691 .0 | 167 | 167 | 10 | 0.4 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Bracket for fibre-optic cable junction box from Nexans

| BK-N | CDC, SDC | 5331.0694 .0 | 295 | 198 | 10 | 0.6 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Cable protection duct for fibre optic cables. Max cable diameter 25 mm inside cabinet, max diameter for optical fibre pipes is 45 mm .

| CDCA-CD | CDCA | 5331.0705 .0 | 380 | 240 | 66 | 2.3 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## Ordering information

## Locks and keys



CDC-LA


CDC-LD


CDC-LTC


SDC-LT


CDC-CLA SDC-LTC


KSCA


NK 30


NK-TC


NK 3


NKD 3


## Locks

Locks suitable for cabinet ranges CDC and SDC.

| Designation | Description | Suitable <br> for | ID number | Weight |
| :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |
| CDC-LA | Subscriber lock | CDC, CDCM | 4331.0740 .0 | 0.1 |
| CDC-LD | DIN 3 lock | CDC, CDCM | 4331.0742 .0 | 0.1 |
| CDC-LSE | SE lock | CDC, CDCM | 4331.0743 .0 | 0.1 |
| CDC-LT | Triangular lock | CDC, CDCM | 4331.0739 .0 | 0.1 |
| CDC-LTC | Lock for CDC/CDCM with equipment for <br> telecommunication | CDC, CDCM | 4331.1040 .0 | 0.1 |
| SDC-LA | Subscriber lock | SDC, SDCM | 4331.0596 .0 | 0.1 |
| SDC-LD | DIN lock | SDC, SDCM | 4331.0595 .0 | 0.1 |
| SDC-LSE | SE lock | SDC, SDCM | 4331.0598 .0 | 0.1 |
| SDC-LT | Triangular lock | SDC, SDCM | 4331.0597 .0 | 0.1 |
| SDC-LTC | Lock for SDC/SDCM with equipment for <br> telecommunication | SDC, SDCM | 4331.0599 .0 | 0.1 |
| CDC-CLA | Kit for fitting cylinder lock type ASSA <br> Abloy/Trioving to CDC | CDC, CDCM | 5331.0669 .0 | 0.1 |
| KSCA | Adaptor ring for ASSA Abloy lock | SDC, SDCM | 5319.0278 .0 | 0.1 |

## Keys \& Tools

Keys and Tools applicable for Kabeldon cabinets and Kabeldon IP system.

| Designation | Description | Suitable for | ID number | Weight |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | kg/pcs |
| KSNR 4 | Key for subscriber lock | $\begin{aligned} & \text { CDC-LA, } \\ & \text { SDC-LA } \end{aligned}$ | 4319.0104 .0 | 0.1 |
| NK 3 | Key for triangular lock with door opener | $\begin{aligned} & \text { CDC-LT, CDC- } \\ & \text { LA,SDC-LT, } \\ & \text { SDC-LA } \end{aligned}$ | 6319.0370 .0 | 0.1 |
| NK 30 | Key for triangular lock and SE lock with door opener | $\begin{aligned} & \text { CDC-LT, CDC- } \\ & \text { LA,SDC-LT, } \\ & \text { SDC-LA, CDC- } \\ & \text { LSE, SDC-LSE } \end{aligned}$ | 6319.0369 .0 | 0,1 |
| NKD 3 | Key for DIN lock | $\begin{aligned} & \text { CDC-LD, } \\ & \text { SDC-LD } \end{aligned}$ | 4319.0661 .0 | 0.1 |
| NK-TC | Key for lock for CDC-LTC and SDC-LTC with door opener | $\begin{aligned} & \text { CDC-LTC, } \\ & \text { SDC-LSE, } \\ & \text { STC-LTC } \end{aligned}$ | 6319.0373 .0 | 0.1 |
| VHB 68 | Insulating hand tool 6 and 8 mm hexagon spanner. Fits torque wrench with $1 / 2$ " square peg | Kabeldon IP system | 6309.0014 .0 | 0.4 |



# Distribution boards <br> Table of contents 

## Distribution boards <br> 60 <br> Overview

Ordering information
$\begin{array}{ll}62 & \text { Distribution boards for energy metering CDCS, SDCS } \\ 64 & \text { Distribution boards for street lighting, GBC } \\ 65 & \text { Distribution boards for stand by power, CDCR, SDCR }\end{array}$

Ordering information accessories
66 Accessories for Distribution Boards

## Distribution Boards

Safe and reliable electrical distribution

Kabeldon distribution boards are specifically designed for outdoor installations and they come as pre-assembled systems, ready to install. They combine the advantages of the flexible IP-system with robust and reliable distribution cabinets, and they deliver efficient use of space, quick installation and significant customer value.


Space saving

## Free up floor space

By placing the distribution board outside instead of inside the building, interior floor space can be reserved for more valuable uses. Additionally, having the distribution board outside the building makes it is easier to access for maintenance.


Speeds up your projects

## Convenient and flexible

Pre-assembled Kabeldon solutions come ready for installation direct from the factory, which saves valuable time in both the planning and the installation phases. By complementing the solutions with the required outgoing groups the solution also provide great flexibility.


Affordable range

## Cost effective by design

Locating the distribution board outdoors reduces costs for the building owners because there's no need for them to build and maintain a separate electrical room, compared to interior electrical installations.


## Ordering information

Distribution boards for energy metering CDCS, SDCS


CDCS 25 M

CDCS 25 M (without termination cover)


CDCS 2520

Pre-assembled distribution board for direct kWh metering.

- Enclosure tested acc. to IEC 61439-1,-5.
- Cable terminals for $\mathrm{Al} / \mathrm{Cu} 6-50 \mathrm{~mm}^{2}$. Can be configured with bigger terminals on request.
- Terminals placed under sealable lid.
- 5+7 available DIN-modules for mounting of eg. MCB, RCCB or schuko plug.
- Accessory module CDCS CM enable space for extra $2 \times 4$ DIN-modules.
- Place for utility overvoltage protection under sealable lid.
- Temporary outlet on both sides of enclosure adjustable up to $\varnothing 60 \mathrm{~mm}$.

| Designation | ID number | Rated currentA | Cable area <br> $\mathrm{mm}^{2}$ | Dimensions |  |  | Lock | Weight <br> kg/pcs |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Height <br> mm | Width mm | Depth mm |  |  |
| CDCS 25 M | 2CGD000658A1000 | 25 | 6 ... 50 | 1200 | 350 | 220 | CDC-LA | 42 |
| CDCS 63 M | 2CGD000659A1000 | 63 | 6 ... 50 | 1200 | 350 | 220 | CDC-LA | 42 |
| CDCS CM | 2CGD000660A1000 |  |  | 365 | 71 | 68 |  | 1 |

Pre-assembled distribution boards for direct kWh metering, complete with all essential components for connecting the service line feeder and also an outgoing cable.

- The service line feeder is to be connected to a terminal block for maximum $50 \mathrm{~mm}^{2}$ Al/Cu conductors.
- Adapted to TN-C/-S.
- Switches for outgoing cables to be ordered separately.

| Designation | ID number | Available space on busbar$M=12,5 \mathrm{~mm}$ | Rated current$\mathrm{A}$ | Dimensions |  |  | Lock <br> Lower/upper | Weight <br> kg/pcs |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Height mm | Width mm | Depth mm |  |  |
| CDCS 2520 | 6330.1145 .0 | 20 | 25 | 1800 | 350 | 220 | CDC-LD / CDC-LA | 55 |
| CDCS 6320 | 6330.1146 .0 | 20 | 63 | 1800 | 350 | 220 | CDC-LD / CDC-LA | 55 |

## Ordering information

Distribution boards for energy metering CDCS, SDCS


CDCS 16015


Adapted to TN-C.S.

- Switches for outgoing cables to be ordered separately.
- Foundations to be ordered separately for SDCS.

| Designation | ID number | Available space on busbar$\mathrm{M}=12,5 \mathrm{~mm}$ | Rated current <br> A | Dimensions |  |  | Lock <br> Lower/upper | Weight <br> kg/pcs |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Height mm | Width mm | Depth mm |  |  |
| CDCS 16015 | 6330.1122 .0 | 15 | 125 | 1800 | 600 | 220 | CDC-LD / CDC-LA | 79 |
| SDCS 16023 | 6330.1123 .0 | 23 | 125 | 1523 | 682 | 312 | SDC-LD / SDC-LA | 88 |
| SDCS 25018 | 6330.1124 .0 | 18 | 224 | 1523 | 682 | 312 | SDC-LD / SDC-LA | 94 |
| SDCS 25043 | 6330.1125 .0 | 43 | 224 | 1523 | 996 | 312 | SDC-LD / SDC-LA | 115 |
| SDCS 35543 | 2CGD000364A1000 | 43 | 355 | 1523 | 996 | 312 | SDC-LD / SDC-LA | 88 |
| SDCS 63026 | 2CGD000366A1000 | 26 | 630 | 1523 | 996 | 312 | SDC-LD / SDC-LA | 102 |
| SDCS 63051 | 2CGD000365A1000 | 51 | 630 | 1523 | 1310 | 312 | SDC-LD / SDC-LA | 123 |



SDCS 35543


SDCS 63051

Pre-assembled distribution boards for transformer metering complete with all essential components for connecting the service cable, mounting a current transformer, terminal blocks and meter.

- Adapted to TN-C-S.


## Ordering information

Distribution boards for street lighting, GBC


- A meter panel and a contactor with rated current 63 A .
- Foundation for ground installation is included.
- Easy to make up with service outlet including residual current device.

| Designation | ID number | Available space on busbar$M=12,5 \mathrm{~mm}$ | Rated current <br> A | Dimensions |  |  | Lock <br> Lower/upper | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Height mm | Width mm | Depth mm |  |  |
| GBC 6338 | 6330.1206 .0 | 38 | $400 \mathrm{~V}, 63 \mathrm{~A}$ | 1800 | 600 | 220 | CDC-LD / CDC-LA | 81 |
| GBC 6338 UR | 6330.1207 .0 | 38 | $400 \mathrm{~V}, 63 \mathrm{~A}$ | 1800 | 600 | 220 | CDC-LD / CDC-LA | 81 |

GBC 6338
Pre-assembled lighting pillars are available in two variants; with or without astronomical clock. The service line feeder is to be connected to a terminal block for maximum $50 \mathrm{~mm}^{2}$ $\mathrm{Al} / \mathrm{Cu}$ conductors. Outgoing groups are controlled with a HAND-O-AUTO switch. Light relay or other control to be connected via built-in auxiliary relay.

## Ordering information

## Distribution boards for standby power, CDCR, SDCR



A pre-assembled distribution board with standby power switch, inlet and metering is available in two variants:

## CDCR 63 with direct kWh metering

SDCR 125 with transformer metering

- Complete with all essential components for connecting the service cable.
- The service line feeder is to be connected to a terminal block with maximum $50 \mathrm{~mm}^{2}$ $\mathrm{Al} / \mathrm{Cu}$ conductors.
- Adapted to TN-C-S.
- Switches for outgoing cables to be ordered separately.
- Foundation to be ordered separately for SDCR

| Designation | ID number | Available space on busbar$M=12,5 \mathrm{~mm}$ | Rated current$\mathrm{A}$ | Dimensions |  |  | Lock <br> Lower/upper | Weight$\mathrm{kg} / \mathrm{pcs}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Height mm | Width mm | Depth mm |  |  |
| CDCR 63 | 6330.1204 .0 | 38 | 63 | 1800 | 740 | 220 | CDC-LD / CDC-LA | 95 |
| SDCR 125 | 6330.1205 .0 | 40 | 125 | 1523 | 1166 | 312 | SDC-LD / SDC-LA | 125 |

CDCR 63


SDCR 125

## Ordering information

## Accessories for distribution boards



GOLV-S 48


BPF-S 48

## -

## Foundations

Foundations suitable for outdoor distribution boards.

| Distribution board service | Suitable foundation | Description | ID number |
| :---: | :---: | :---: | :---: |
| GBC 6338, CDCS 2520, CDCS 6320, CDCS 16015, CDCR 63, CDCS 25 M, CDCS 63 M | Integrated | - | - |
| SDCR 125 | MARK-S 73 | Ground mounted foundation | 6330.0549 .0 |
|  | GOLV-S 73 | Floor mounted foundation | 6330.0550 .0 |
|  | BPF-S 73 | Bottom plate | 5331.0682 .0 |
| $\begin{aligned} & \text { SDCS } 16023 \\ & \text { SDCS } 25018 \end{aligned}$ | MARK-S 48 | Ground mounted foundation | 6330.0439 .0 |
|  | GOLV-S 48 | Floor mounted foundation | 6330.0441 .0 |
|  | BPF-S 48 | Bottom plate | 5331.0629 .0 |
| SDCS 25043 | MARK-S 73 | Ground mounted foundation | 6330.0549 .0 |
| SDCS 63026 <br> SDCS 35543 |  |  |  |
|  | GOLV-S 73 | Floor mounted foundation | 6330.0550 .0 |
|  | BPF-S 73 | Bottom plate | 5331.0682 .0 |
| SDCS 63051 | MARK-S 98 | Ground mounted foundation | 6330.0440 .0 |
|  | GOLV-S 98 | Floor mounted foundation | 6330.0442 .0 |
|  | BPF-S 98 | Bottom plate | 5331.0630 .0 |

${ }^{1)}$ Choose also FV or VF-S 30.
${ }^{2)}$ Flanges are not included.


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## Dimension drawings

Fuse switch disconnectors SLD and SLDL


## Dimension drawings

Switches SEKOD and LBOD


SEKOD 125


LBOD 800



SEKOD 224



SEKOD 355


LBOD 1600

## Dimension drawings

Connector range


ADU 95


ADC 25


ADU 300


AD 350


ADO 240

## Dimension drawings

Connector range


## Dimension drawings

Busbar and middle supports


KSST 36-CDC

| Designation | H1 | H2 | B | D |
| :--- | ---: | ---: | ---: | ---: |
|  |  |  |  | $\mathbf{m m}$ |
| KSST 316 | 300 | 320 | 20 | 46 |
| KSST 316/23 | 300 | 320 | 20 | 60 |
| KSST 316/100 | 300 | 320 | 39 | 136 |



MSB 316


KSST 316, 316/23, 316/100


MSB 316/23


KSST-CDC


## Dimension drawings

Busbar and middle supports


KSSTD 312/16


MSBD 312/16


KSST 325 CSS


MSB 325 CSS


KSST 325 CSS F

## Dimension drawings

## Enclosures CDC, SDC

All dimensions in mm


Enclosures CDC


## Dimension drawings

Enclosures KSIK, CDCM

All dimensions in mm


Enclosures KSIK


## Dimension drawings

Enclosures SDCM, CDCA, CDCP

All dimensions in mm


Enclosures SDCM with upper section


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## Technical data <br> Table of contents

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## Kabeldon Low Voltage Distribution System

## Technical data

| Busbar system | Unit | 400 A | 630 A | 1000 A | 1600 A | $\begin{aligned} & 2500 \text { A } \\ & \text { CSS }^{2)} \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rated operational voltage, $\mathbf{U}_{\text {e }}$ | V | 690 | 690 | 690 | 690 | 690 |
| Rated insulation voltage, $\mathbf{U}_{\mathbf{i}}$ | V | 1000 | 1000 | 1000 | 1000 | 1000 |
| Conventional free air thermal current, $I_{\text {th }}$ Conventional enclosed thermal current, $I_{\text {the }}$ | A | 400 | 630 | 1000 | 1600 | 2500 |
| Rated short-time withstand current, $I_{\text {cw }}$ | $\mathrm{kA}_{\mathrm{rms} / \mathrm{s}}$ | 21/1 ${ }^{11}$ | 23/1 ${ }^{11}$ | 40/1 ${ }^{1}$ | 70/1 ${ }^{1)}$ | 65/1 |
| Rated peak withstand current, $I_{\text {pk }}$ | $\mathrm{kA}_{\text {peak }}$ | 55 | 55 | - | - | 148 |
| Rated conditional short-circuit current, $I_{q}\left(I_{c c}\right)$ | $k A_{\text {rms }}$ | 5085 | $50 \quad 85$ | - | - | - |
|  | $\max A$ | $3 / / 315 \quad 3 / / 250$ | 3//315 3//250 | - | - | - |
| Rated peak withstand current; <br> 1 m long busbar without fitted device, $\mathrm{I}_{\mathrm{pk}}$ | $\mathrm{kA}_{\text {peak }}$ | - | 50 | 85 | - | - |
| Degree of protection according to IEC 60529 |  | IP2X | IP2X | IP2X | IP2X | IP2X |

${ }^{1)}$ Test prerequisite: DT=100 K. Final temperature of the busbar max. $150{ }^{\circ} \mathrm{C}$.
${ }^{2)}$ Adjusted for use in substations and low voltage switchgear.

| Switching device with dependent manual operation, uninterrupted duty | Unit | SLD 000 | $\begin{aligned} & \text { SLD- } \\ & \text { FHD } \\ & 000 \end{aligned}$ | SLD 00 | $\begin{aligned} & \text { SLD- } \\ & \text { FHD } \\ & 00 \end{aligned}$ | SLD 1 | SLD 2 |  |  | $\begin{aligned} & \text { SLD } \\ & 63 \end{aligned}$ | $\begin{aligned} & \text { FD } \\ & 3300 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rated operational voltage, $\mathbf{U}_{\mathbf{e}}$ | V | $400 \quad 690{ }^{\text {1) }}$ | 230 | $400 \quad 690{ }^{\text {1) }}$ | 230 | $400 \quad 690^{1)}$ | 400 | $690{ }^{1)}$ | $1000{ }^{\text {1) }}$ | 400 | 400 |
| Rated insulation voltage, $\mathbf{U}_{\mathbf{i}}$ | V | 690 | 690 | 690 | 690 | 690 |  | 1000 |  | 690 | 690 |
| Rated impulse withstand voltage, $\mathbf{U}_{\text {imp }}$ | kV | 8 | 8 | 8 | 8 | 8 |  | 8 |  | 8 | 8 |
| Conventional free air thermal current, $\mathrm{I}_{\text {th }}$ <br> Conventional enclosed thermal current, $I_{\text {the }}$ | A | 10080 | 100 | 160160 | 160 | $\begin{gathered} 250 \quad 250 \\ 400^{3} \end{gathered}$ | 400 | 355 $630{ }^{3)}$ | 100 | 63 | 400 |
| Rated short-time withstand current, $I_{\text {cw }}$ | $k A_{\text {rm/s }}$ | $6.1 / 1^{5)}$ | - | $6.1 / 1^{5)}$ | - | 16.2/1 ${ }^{5}$ |  | 16.2/1 ${ }^{5}$ |  | - | 15/1 |
| Rated peak withstand current, $I_{\text {pk }}$ | $\mathrm{kA}_{\text {peak }}$ | $10.9{ }^{5}$ | - | $10.9{ }^{5}$ | - | $34.4{ }^{5}$ | $34.4{ }^{\text {5 }}$ |  |  | - | 42 |
| Rated conditional short-circuit | $k A_{\text {rms }}$ | 5030 | 30 | 5030 | 30 | 5050 | 50 | 50 | 28 | 40 | 50 |
| current, $I_{q}\left(I_{c c}\right)$ | $\max A$ | 10080 | 100 | 160160 | 160 | 250250 | 400 | 355 | 100 | 63 | 2//400 |
| Utilization category according to IEC 60947-3 |  | $\begin{array}{ll} \text { AC- } & \text { AC- } \\ 23 B & 22 B \end{array}$ | $\begin{aligned} & \text { AC- } \\ & 21 \mathrm{~B} \end{aligned}$ | $\begin{array}{ll} \text { AC- } & \text { AC- } \\ 23 B & 21 B \end{array}$ | $\begin{aligned} & \text { AC- } \\ & 21 B \end{aligned}$ | $\begin{array}{ll} \text { AC- } & \text { AC- } \\ 23 B & 22 B \end{array}$ | $\begin{aligned} & \text { AC- } \\ & 23 B \end{aligned}$ | $\begin{aligned} & \text { AC- } \\ & 22 B \end{aligned}$ | $\begin{aligned} & \text { AC- } \\ & \text { 21B } \end{aligned}$ | $\begin{aligned} & \text { AC- } \\ & \text { 21B } \end{aligned}$ | $\begin{aligned} & \text { AC- } \\ & 21 B \end{aligned}$ |
| Degree of protection according to IEC 60529 |  | IP2X ${ }^{\text {4 }}$ | IP2X ${ }^{\text {4) }}$ | IP2X ${ }^{\text {4 }}$ | IP2X ${ }^{4}$ | IP2X | IP2X |  |  | IP2X | IP2X |
| Connectable conductor cross-section, $\mathrm{Al} / \mathrm{Cu}$ | $\mathrm{mm}^{2}$ | 2.5-95 | 2.5-95 | 2.5-95 | 2.5-95 | 50-300 | 50-300 |  |  | $\begin{aligned} & 1,5- \\ & 25 \end{aligned}$ | 50-300 |

Remarks
${ }^{1)}$ To be used in environment classes C1 and C2 according to ISO 9223:2012
${ }^{2)}$ ) Fuse with power dissipation according to IEC 60269-2-1.
${ }^{3)}$ With linking knives.
${ }^{4)}$ IP1X at operation, depending on design dimensions of the fuse.
${ }^{5)}$ Tested with the earthing device JDDA.

## Kabeldon Low Voltage Distribution System

## Technical data

| Switching device with dependent manual operation, uninterrupted duty |  | SLDL 2 |  | SLDL 2-1P |  |  | SLDL 3 |  |  | SLDL 3-1P |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rated operational voltage, $\mathrm{U}_{\mathrm{e}}$ | V | 400 | $690{ }^{1)}$ | $1000{ }^{1)}$ | 230 | $400{ }^{1)}$ | $690^{1)}$ | 400 | $690{ }^{1)}$ | $1000{ }^{1)}$ | 230 | $400^{1)}$ | $690^{1)}$ |
| Rated insulation voltage, $\mathbf{U}_{i}$ | v |  | 1000 |  |  | 1000 |  |  | 1000 |  |  | 1000 |  |
| Rated impulse withstand voltage, $\mathbf{U}_{\text {imp }}$ | kV |  | 8 |  |  | 8 |  |  | 8 |  |  | 8 |  |
| Conventional free air thermal current, $I_{\text {th }}$ Conventional enclosed thermal current, $I_{\text {the }}$ | A | 400 | 400 | 100 | 400 | 400 | 100 | 630 | 500 | 100 | 630 | 500 | 100 |
| Rated short-time withstand current, $\mathrm{I}_{\mathrm{cw}}$ | $\mathrm{kA}_{\text {eff }} / \mathrm{s}$ |  | 10,3/1 |  |  | 10,3/1 |  |  | 10,3/1 |  |  | 10,3/1 |  |
| Rated peak withstand current, $\mathrm{I}_{\mathrm{pk}}$ | $k A_{\text {peak }}$ |  | 21,0 |  |  | 21,0 |  |  | 21,0 |  |  | 21,0 |  |
| Rated conditional short-circuit | $\mathrm{kA}_{\text {eff }}$ | 50 | 50 | 28 | 50 | 50 | 28 | 50 | 50 | 28 | 50 | 50 | 28 |
| current, $\mathrm{I}_{\mathrm{q}}\left(\mathrm{I}_{\mathrm{cc}}\right)$ | $\max A$ | 400 | 400 | 100 | 400 | 400 | 100 | 630 | 500 | 100 | 630 | 500 | 100 |
| Utilization category according to IEC 60947-3 |  | $\begin{aligned} & \mathrm{AC}- \\ & 23 \mathrm{~B} \end{aligned}$ | $\begin{aligned} & \text { AC- } \\ & 22 B \end{aligned}$ | $\begin{aligned} & \mathrm{AC}- \\ & 21 \mathrm{~B} \end{aligned}$ | $\begin{aligned} & \mathrm{AC}- \\ & 23 \mathrm{~B} \end{aligned}$ | $\begin{aligned} & \mathrm{AC}- \\ & 22 \mathrm{~B} \end{aligned}$ | $\begin{aligned} & \mathrm{AC}- \\ & 21 \mathrm{~B} \end{aligned}$ | $\begin{aligned} & \text { AC- } \\ & 23 B \end{aligned}$ | $\begin{aligned} & \text { AC- } \\ & 22 B \end{aligned}$ | $\begin{aligned} & \text { AC- } \\ & \text { 21B } \end{aligned}$ | $\begin{aligned} & \mathrm{AC}- \\ & 23 \mathrm{~B} \end{aligned}$ | $\begin{aligned} & \mathrm{AC}- \\ & 22 \mathrm{~B} \end{aligned}$ | $\begin{aligned} & \text { AC- } \\ & \text { 21B } \end{aligned}$ |
| Degree of protection according to IEC 60529 |  |  | IP2X |  |  | IP2X |  |  | IP2X |  |  | IP2X |  |
| Connectable conductor cross-section, | $\mathrm{mm}^{2}$ |  | 35-240 |  |  | 35-240 |  |  | 35-240 |  |  | 35-240 |  |
| $\mathrm{Al} / \mathrm{Cu}$ |  |  | $2 \times 95-240$ |  |  | $2 \times 95-240$ |  |  | $2 \times 95-240$ |  |  | 2 95-24 |  |

Remarks
${ }^{1)}$ To be used only in dry environments.
${ }^{\text {2) }}$ Fuse with power dissipation according to IEC 60269-2-1.

| Switching device with independent manual operation | Unit | SEKOD |  |  | $\begin{aligned} & \text { SLOC } \\ & 630 \end{aligned}$ | LBOD |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 125 | 224 | 355 |  | 800 | 1000 | 1600 |
| Rated operational voltage, $\mathbf{U}_{\text {e }}$ | V | 690 | 690 | 690 | 690 | 690 | 690 | 690 |
| Rated insulation voltage, $\mathbf{U}_{\mathbf{i}}$ | V | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| Rated impulse withstand voltage, $\mathbf{U}_{\text {imp }}$ | kV | 8 | 12 | 12 | 12 | 12 | 12 | 12 |
| Conventional free air thermal current, $I_{\text {th }}$ | A | $160^{2)}$ | 250 ${ }^{\text {2) }}$ | 400 ${ }^{\text {2) }}$ | 615 | 785 | 1000 | 1325 |
| Conventional enclosed thermal current, $I_{\text {the }}$ |  | $125^{1)}$ | 224 ${ }^{1)}$ | $355{ }^{1)}$ | $540^{3)}$ | 680 | 950 | 1250 |
| Rated short-time withstand current, $I_{\text {cw }}$ | $\mathrm{kA}_{\text {rms/1s }}$ | 5 | 8 | 14 | 18 | 20 | 50 | 50 |
| Rated peak withstand current, $l_{\text {pk }}$ | $\mathrm{kA}_{\text {peak }}$ | - | - | - | - | 80 | 110 | 110 |
| Rated conditional short-circuit current, $I_{q}\left(I_{c c}\right)$ | kA ${ }_{\text {rms }}$ | 20 | 32 | 46 | 55 | 90 | 100 | 100 |
|  | Fuse max A | 160 | 250 | 400 | 630 | 800 | 1250 | 1250 |
| Utilization category according to IEC 60947-3 |  | AC-23A | AC-23A | AC-23A | AC-23A | AC-23A | AC-23A | AC-23A |
| Degree of protection according to IEC 60529 |  | IP2X | IP2X | IP2X | IP2X ${ }^{4}$ | IP2X ${ }^{4}$ | IP2X ${ }^{4}$ | IP2X ${ }^{4}$ |
| Connectable conductor cross-section, Cu/AI | $\mathrm{mm}^{2}$ | 50-300 | 50-300 | 50-300 | - | - | - | - |

[^4]
## Kabeldon Low Voltage Distribution System

## Technical data

| Switching devices with independent manual operation | Unit | APXT 1 + CKXT 1 | APXT 2 + CKXT 2 | APXT 3 + CKXT 3 | APXT 4 + CKXT 4 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | with SACE Tmax XT1 | with SACE Tmax Xт2 | with SACE Tmax XT3 | with SACE Tmax XT4 |
| Rated operational voltage, $\mathrm{U}_{\mathrm{e}}$ | V | 400690 | 400690 | 400690 | 400690 |
| Rated insulation voltage, $\mathbf{U}_{i}$ | V | 800 | 1000 | 800 | 1000 |
| Rated impulse withstand voltage, $\mathbf{U}_{\mathbf{i m p}}$ | kV | 8 | 8 | 8 | 8 |
| Conventional free air thermal current, $\mathrm{I}_{\mathrm{th}}$ Conventional enclosed thermal current, $I_{\text {the }}$ | A | 135 | 160 | 230 | 250 |
|  |  | 125 | 160 | 200 | 220 |
| Rated ultimate short-circuit breaking capacity ${ }^{1)}, \mathrm{I}_{\mathrm{cu}}$ | kA | 508 | $50 \quad 12$ | $50 \quad 6$ | 5012 |
| Rated service short-circuit breaking capacity ${ }^{2}$, $\mathrm{I}_{\text {cs }}$ | kA | 75\% 50\% | 100\% 100\% | 50\% 50\% | 100\% 100\% |
| Utilization category according to IEC 60947-2 |  | A | A | A | A |
| Degree of protection according to IEC 60529, mounted |  | IP2X ${ }^{\text {2 }}$ | IP2X ${ }^{\text {2 }}$ | IP2X ${ }^{\text {2 }}$ | IP2X ${ }^{\text {2 }}$ |
| Connectable conductor cross-section, $\mathrm{Al} / \mathrm{Cu}$ | $\mathrm{mm}^{2}$ | 50-300 | 50-300 | 50-300 | 50-300 |

${ }^{1)}$ Check technical data for breakers.
${ }^{2)}$ May only be installed disconnected.

| Switching devices with independent manual operation | Unit | KLAP T5 630 |  | A-S/T6 630 |  | A-S/T6 800 |  | A-T7 1000 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | with SACE Tmax T5 |  | with SACE T6 |  | with SACE T6 |  | with SACE T7 |  |
| Rated operational voltage, $\mathrm{U}_{\mathrm{e}}$ | V | 400 | 690 | 400 | 690 | 400 | 690 | 400 | 690 |
| Rated insulation voltage, $\mathbf{U}_{\mathbf{i}}$ | V | 1000 |  | 1000 |  | 1000 |  | 1000 |  |
| Rated impulse withstand voltage, $\mathbf{U}_{\text {imp }}$ | kV | 8 |  | 8 |  | 8 |  | 8 |  |
| Conventional free air thermal current, $I_{\text {th }}$ Conventional enclosed thermal current, $I_{\text {the }}$ | A | 525 |  | 630 |  | 800 |  | 1000 |  |
| Rated ultimate short-circuit breaking capacity, $\mathrm{I}_{\mathrm{cu}}$ | kA | 36 | 20 | 50 | 22 | 50 | 22 | 50 | 30 |
| Rated service short-circuit breaking capacity, $\mathrm{I}_{\text {cs }}$ | kA | 36 | 20 | 50 | 16.5 | 50 | 16.5 | 50 | 30 |
| Utilization category according to IEC 60947-2 |  | A |  | B |  | B |  | B |  |
| Degree of protection according to IEC 60529, mounted |  | IP2X ${ }^{\text {1) }}$ |  | IP2X ${ }^{\text {1 }}$ |  | IP2X ${ }^{\text {1) }}$ |  | IP2X ${ }^{\text {1) }}$ |  |
| Connectable conductor cross-section, $\mathrm{Al} / \mathrm{Cu}$ | $\mathrm{mm}^{2}$ | - |  | - |  | - |  | - |  |

${ }^{1)}$ May only be installed disconnected.

| Accessories | Unit | PHD 2 | PHD 2 SDC | JDDA 000 | JDDA 00 | JDDA 1 | JDDA 2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rated operational voltage, $\mathrm{U}_{\mathrm{e}}$ | V | 400 | 400 | - | - | - | - |
| Rated insulation voltage, $\mathbf{U}_{\mathbf{i}}$ | V | 690 | 690 | 690 | 690 | 690 | 690 |
| Conventional free air thermal current, $\mathrm{I}_{\text {th }}$ Conventional enclosed thermal current, $\mathrm{I}_{\text {the }}$ | A | 400 ${ }^{1)}$ | $400{ }^{1)}$ | - | - | - | - |
| Rated conditional short-circuit current, Iq (Icc) | $k A_{\text {rms }}$ | 50 | 50 | - | - | - | - |
|  |  | 400 | 400 | - | - | - | - |
| Rated short-time withstand current, $\mathrm{l}_{\mathrm{cw}}$ |  | - | - | 6.1/1 | 6.1/1 | 16.2/1 | 16.2/1 |
| Rated peak withstand current, $\mathrm{I}_{\mathrm{pk}}$ | $k A_{\text {peak }}$ | - | - | 10.9 | 10.9 | 34.4 | 34.4 |
| Utilization category acc to IEC 60947-3 |  | AC-23B | AC-23B | - | - | - | - |

[^5]
## Kabeldon Low Voltage Distribution System

Technical data

| Connectors ${ }^{1)}$ | Unit | ADC 25 | ADU 95 | ADO 240 | ADU 300 | AD 350 | ADI 95 | AD 2150 | ADI 300 | ADB 3M | AD 400 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rated operational voltage, $\mathrm{U}_{\text {e }}$ | V | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 500 | 690 |
| Rated insulation voltage, $\mathbf{U}_{\mathbf{i}}$ | V | - | - | - | - | - | 1000 | 690 | 1000 | 690 | 1000 |
| Conventional free air thermal current, $I_{\text {th }}$ Conventional enclosed thermal current, $I_{\text {the }}$ | A | 63 | 250 | 400 | 400 | 400 | 250 | 400 | 630 | 500 | 630 |
| Rated short-time withstand current, $I_{\text {cw }}$ | $\mathrm{kA}_{\mathrm{rms} / \mathrm{s}}$ | - | 17.2/1 | - | 36.2/1 | 25/1 | 17.2/1 | 13/1 | 36.2/1 | - | 35/1 |
| Degree of protection according to IEC 60529 | - | - | - | - | - | - | IP2X | IP2X | IP2X | IP2X | IP2X |
| Connectable conductor cross-section Al/Cu | $\mathrm{mm}^{2}$ | 1.5-25 | 1.5-95 | 70-240 | 50-300 | $3 \times 6-50$ | 1.5-95 | 35-2//150 | 50-300 | 50-300 | 50-400 |

${ }^{1)}$ According to IEC 61238-1-1.
$\left.\begin{array}{llllllllllllll}\hline \text { Connectors } & \text { Unit } & \text { STM 400 } & \text { ADP 300 } & \text { KSSM-S 630 } & \text { KSSM-S 1250 } & \text { AB 800 } & \text { AB 1200 } & \text { ADR M8/ } \\ \text { M12 }\end{array}\right]$

| Cable distribution cabinets | Unit | 400 A | 630 A |
| :---: | :---: | :---: | :---: |
| Rated operational voltage, $\mathrm{U}_{\mathrm{e}}$ | V | 400 | 400 |
| Rated insulation voltage, $\mathrm{U}_{\mathrm{i}}$ | V | 1000 | 1000 |
| Conventional free air thermal current, $\mathrm{I}_{\text {th }}$ Conventional enclosed thermal current, $I_{\text {the }}$ | A | 400 | 630 |
| Rated short-time withstand current, $\mathrm{l}_{\mathrm{cw}}$ | $\mathrm{kA}_{\text {rms/s }}$ | 21/1 ${ }^{1)}$ | 23/1 ${ }^{1)}$ |
| Rated peak withstand current, $\mathrm{l}_{\mathrm{pk}}$ | $k A_{\text {peak }}$ | 55 | 55 |
| Rated conditional short-circuit current, Iq (Icc) | $\mathrm{kA}_{\text {rms }}$ | $50 \quad 85$ | $50 \quad 85$ |
|  | $\max A$ | 3//315 3//250 | 3//315 3//250 |
| Max. fuse | A | 3//315 | 3//315 |
| Degree of protection acc. to IEC 60529 | Busbar system | IP2X | IP2X |
|  | Enclosure | IP34D | IP34D |

[^6]
## Kabeldon Low Voltage Distribution System

## Torque for installing switching devices and connectors

| Designation | To phase busbar | Cable connection |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2,5-16 mm ${ }^{2}$ | 25-35 mm ${ }^{2}$ | 50-95 mm ${ }^{2}$ | 120-300 mm ${ }^{2}$ | Others |
| SLD 63 | 15 Nm | 3.5 Nm | $3.5 \mathrm{Nm}\left(\max 25 \mathrm{~mm}^{2}\right)$ | - | - | - |
| SLD 000, SLD 00 | 15 Nm | 10 Nm | 20 Nm | 20 Nm | - | - |
| SLD-FHD 000, SLD-FHD 00 | 15 Nm | 10 Nm | 20 Nm | 20 Nm | - | - |
| SLD 1, SLD 2 | 15 Nm | - | - | 20 Nm | 35 Nm | - |
| FD 3300 | 20 Nm | - | - | 20 Nm | 45 Nm | - |
| SLDL 2, SLDL 3 | 15 Nm | - | - | 25 Nm | 25 Nm | $35 \mathrm{Nm}^{1}$ |
| SLDL 2-1P, SLDL 3-1P | 15 Nm | - | - | 25 Nm | 25 Nm | $35 \mathrm{Nm}^{1}$ |
| ADU 95 | 20 Nm | 10 Nm (from $1.5 \mathrm{~mm}^{2}$ ) | 20 Nm | 20 Nm | - | - |
| ADO 240 | 20 Nm | - | - | 20 Nm (from $70 \mathrm{~mm}^{2}$ ) | $35 \mathrm{Nm}\left(\max 240 \mathrm{~mm}{ }^{2}\right)$ | - |
| AD 350 | 20 Nm | 10 Nm (from $6 \mathrm{~mm}^{2}$ ) | 20 Nm | 20 Nm (max 50 mm²) | - | - |
| ADU 300 | 20 Nm | - | - | 20 Nm | 35 Nm | - |
| ADI 95 | 20 Nm | 10 Nm (from $1.5 \mathrm{~mm}^{2}$ ) | 20 Nm | 20 Nm | - | - |
| ADI 300 | 20 Nm | - | - | 20 Nm | 35 Nm | - |
| AD 2150 | 20 Nm | - | - | 20 Nm | 45 Nm | - |
| ADB 3M kit | 20 Nm | - | - | - | - | $20 \mathrm{Nm}^{2)}$ |
| AD 400 | 20 Nm | - | - | 20 Nm | 45 Nm | - |
| ADC 25 | 3.5 Nm | 3.5 Nm | $3.5 \mathrm{Nm}\left(\max 25 \mathrm{~mm}{ }^{2}\right)$ | - | - | - |
| ADP 300 | 35 Nm | - | - | 20 Nm | 45 Nm | - |
| APXT 1-4 | 15 Nm | - | - | 20 Nm | 45 Nm | $20 \mathrm{Nm}^{3)}$ |
| SEKOD 125 | 15 Nm | - | - | 20 Nm | 45 Nm | $20 \mathrm{Nm}^{3)}$ |
| SEKOD 224 | 15 Nm | - | - | 20 Nm | 45 Nm | $20 \mathrm{Nm}^{3)}$ |
| SEKOD 355 | 15 Nm | - | - | 20 Nm | 45 Nm | $20 \mathrm{Nm}^{3)}$ |
| SLOC 630 | 25 Nm | - | - | - | - | - |
| LBOD 800 | 25 Nm | - | - | - | - | $35 \mathrm{Nm}^{3}$ |
| LBOD 1000 | 25 Nm | - | - | - | - | - |
| LBOD 1600 | 25 Nm | - | - | - | - | $25 \mathrm{Nm}^{3}$ |
| KLAP T5 | 20 Nm | - | - | - | - | $20 \mathrm{Nm}^{4)}$ |
| A-S/T6 630 | 20 Nm | - | - | - | - | $9 \mathrm{Nm}^{3}$ |
| A-S/T6 800 | 20 Nm | - | - | - | - | $9 \mathrm{Nm}^{3}$ |
| A-T7 1000 | 25 Nm | - | - | - | - | $35 \mathrm{Nm}^{3}$ |
| TRAFO-CD/SD | 20 Nm | - | - | - | - | - |
| KSSM-S 630/1250 | 20 Nm | - | - | - | - | - |
| KLKB-S 630/1250 | 20 Nm | - | - | - | - | - |

${ }^{1)}$ The torque refers to the connection between the SLDL and the cable (cable lug or cable connector).
${ }^{2}$ ) The torque refers to the connection between the ADB 3 M kit contact and the AD 300 connector.
${ }^{3}$ ) The torque refers to the connection to the switch connection lug.
${ }^{4)}$ The torque refers to the connection between the adapter plate and the plug-in socket.
${ }^{5)}$ The torque refers to the upper connection to the adapter plate and the cable terminals.

| Designation | Cable connection |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $6 \mathrm{~mm}^{2}$ | $50 \mathrm{~mm}^{2}$ | $95 \mathrm{~mm}^{2}$ | $120 \mathrm{~mm}^{2}$ | $150 \mathrm{~mm}^{2}$ | 185 mm ${ }^{2}$ | 300 mm ${ }^{2}$ | M10 |
| TC 70-15 |  | 20 Nm |  | 25 Nm |  | 45 Nm |  |  |
| TC 120-20 |  |  |  |  |  |  |
| TC 300-25 |  |  |  |  |  |  |
| TCD 185-25 |  | 20 Nm |  |  |  |  |  | Nm |
| TC 300-40 |  |  | 35 Nm |  |  | 45 Nm |  | 35 Nm |
| TCD 300-40 |  |  |  |  |  |  |  | 35 Nm |



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[^0]:    KSNSV 410

[^1]:    MSB 325 CSS

[^2]:    Mounting plate to be ordered separately.

[^3]:    Accessory cabinet CDCA

[^4]:    ${ }^{1)}$ Mounting with horizontal fuses limits the current by $8 \%$ which gives the fuse sizes according to the table.
    ${ }^{\text {2) }}$ With linking knives $160 \mathrm{~A}, 250 \mathrm{~A}$ and 400 A respectively.
    ${ }^{3)}$ In enclosure and with horizontal fuses, according to the manufacturer.
    ${ }^{4)}$ To be mounted only disconnected.

[^5]:    Remarks
    ${ }^{1)}$ Fuses with power dissipation according to IEC 60269-2-1.
    2) With $95 \mathrm{~mm}^{2}$ earthing cable.

[^6]:    ${ }^{1)}$ Test prerequisite: $\Delta \mathrm{T}=100 \mathrm{~K}$. Final busbar temperature max. $150{ }^{\circ} \mathrm{C}$.

