

# CABINETS

Cable distribution cabinets, Application cabinets and House service boxes



Completing the picture

## ONE OF THE LEADING MANUFACTURES

### nkt cables

Innovation and thinking ahead have always been high priorities for nkt cables. Our manufacturing plants are among the most modern, flexible and cost-effective in Europe. We are also among the most innovative companies in terms of environmental responsibility, focusing on finding creative processes and products.

nkt cables develops, manufactures and markets power cables and cable systems for electricity transmission (high voltage cables and accessories), electricity distribution (medium voltage cables and accessories), and electrical installations (low voltage cables). Temperature monitoring systems and OPGW/OPPC (Optical Ground Wires/Optical Phase Conductors) are also part of our product range for the electricity sector.

The range also includes catenary materials for electric railways, wires for the automotive industry and a wide selection of special cables for industrial uses. We also provide numerous consulting and engineering services.

With manufacturing facilities in Denmark, Germany, Norway, the Czech Republic, Poland and China and sales offices all over the world, nkt cables is a market oriented, highly technological cables manufacturer with global ambitions. nkt cables continuously invests heavily in new and improved manufacturing facilities. The most recent of these is our new plant in Cologne, which focuses mainly on high voltage cable solutions, including submarine cables.

The primary market for nkt cables is Europe and China, while catenary systems, OPGW, medium and high voltage cables and accessories are sold all over the world. nkt cables' main customers are within the electricity and power sectors, building and construction, telecommunications and railway companies, and the auto industry, as well as industry in general.

nkt cables has more than 3,200 employees and a 2009 turnover of around Euro 860 million.

nkt cables is owned by NKT Holding A/S ([www.nkt.dk](http://www.nkt.dk)), which is listed on the Danish Stock Exchange.

You can read more on [nktcables.com](http://nktcables.com).

### CONTACT PERSONS CABINETS

#### **Björn Spiers**

(Director sales support  
cabinets)

Phone: +49 47 31 / 364 - 280  
[bjoern.spiers@nktcables.com](mailto:bjoern.spiers@nktcables.com)

#### **Ute Paradies**

(Customer Service Center)

Phone: +49 47 31 / 364 - 436  
[ute.paradies@nktcables.com](mailto:ute.paradies@nktcables.com)

#### **Petra Deters**

(Customer Service Center)

Phone: +49 47 31 / 364 - 436  
[petra.deters@nktcables.com](mailto:petra.deters@nktcables.com)

#### **Stefan Schröder**

(Technical service  
HSB & cabinets)

Phone: +49 47 31 / 364 - 363  
[stefan.schroeder@nktcables.com](mailto:stefan.schroeder@nktcables.com)

#### **Bernd Först**

(Technical service  
cabinets)

Phone: +49 47 31 / 364 - 408  
[bernd.foerst@nktcables.com](mailto:bernd.foerst@nktcables.com)

#### **Andre Arens**

(Technical service  
application cabinets)

Phone: +49 47 31 / 364 - 251  
[andre.aren@nktcables.com](mailto:andre.aren@nktcables.com)

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## nkt cables GmbH

### One of the leading manufactures

Developing and manufacturing house service boxes, cable distribution cabinets and cable accessories up to 145kV is a core business of the nkt cables site in Nordenham.

For more than 60 years we have been one of the world market leaders in cable distribution cabinets. We have huge experience in manufacturing cable distribution cabinets and house service boxes for low voltage applications as well as cable accessories for medium and high voltage applications.

### Development of cable distribution cabinets

In 1955 we were the first German manufacturer of a glass fibre reinforced polyester (GRP) cable distribution cabinet. In the beginning of the 1960's a conversion to the new and upcoming process of sheet moulding technology had started. Based on these new technologies we developed the series 000/100. Continuously enhancements of material and cooperation with renowned raw material manufacturers as well as changing technical requirements have been the basis for further product developments.

series 300 mid eighties  
series 400 mid nineties

### Development of house service boxes

In the 1920's we developed and manufactured the first cast iron, house service box. Continuous development of both material and design enabled us in the 1960's to produce the first glass fibre (GRP) house service box.

nkt cables is now among the leading manufacturers of house service boxes and cable distribution cabinets in Germany.

### High flexibility created by having own in-house tool making department

In our plant we have the possibility to manufacture GRP and silicone moulds according to customer requests with short time frames. By using our multiaxial machines even very complex mould designs can be made. Longtime experience and steady on and off the job training enables our employees to solve difficult and apparently unsolvable mould designs.

Designing the moulds on modern CAD work stations allows simulations on moulds and final parts. A continuously integrated 3D concept helps to reduce mess and scrap to a minimum. The completed moulds have therefore a very short running in period.

In between placing the order and receiving the finished product our customers can expect very short lead times and optimized service.

Quality right from the beginning to the end is one an important part of our corporate philosophy. This is provided by a combination of accredited quality management systems during the production process and the exclusive use of high quality raw materials from suppliers which call on many years of experience. In our state of the art test labs we are controlling the development and production process, from the initial development tests to the raw material tests upon arrival to the final inspection before delivery.

Our cabinets, and house service boxes are being manufactured at our plant in Nordenham, which are third party certified according to ISO 9001 and 14001.





## General Information

### VERSIONS:

Protection degree IP44, IP54 on request  
Glas fiber reinforced Polyester FS 833.5 EN 14598 (DIN 16913)  
Double insulated

### STANDARDS:

DIN EN 60439-5  
DIN/VDE 0660 part 503 and part 500  
DIN EN 60529 - protection degree

### DIMENSIONS:

The CDC cabinets are available within 5 DIN-width, the heights 865 mm, 1100 mm and 1250 mm, and within the depth 338 mm, 478 mm, 672 mm and 956 mm. Details see page 8ff.

### COLOUR:

Light gray acc. to RAL 7035  
Varnishing in RAL colours possible  
Solid-coloured polyester material within RAL colours possible on request.

### LOCKING:

3-point door interlocking  
single locking pivoted lever, double locking pivoted lever possible  
Half profile cylinders available as accessories.  
Special locking e.g. triangular or square on request.  
Operation is carried out via a pivoted lever made of impact resistant insulating material, so that a voltage diversion to the outside of the cabinet is avoided.

### CABINET BODY:

Self supporting housing, Optional installation frames are available  
All components of cabinet and base are fixed with self-cutting screws (series 400), allowing fully recycling of polyester parts.

### VENTILATION:

The natural ventilation enabled via labyrinthine slots which are pierce-proof and protect against ingress of solid contaminant.

### DOORS:

The doors are designed as hinged doors (small pillars with plug-in doors)  
The door-opening-angle of series 400 constitutes 180° (135° at cabinets side by side), at series 300 werden 95° are achieved (not to be connected in series)  
Ripped surface at series 400, plain at series 300  
Single-door construction at DIN-size 00 / 0 and 1  
Double-door at DIN-size 2 and DIN 3 (at DIN-size 1 optional)  
Asymmetrisc door-split 1/3 - 2/3 possible

### PREDETERMINED BREAKING POINT:

At series 400 integrated into the lower part of the cabinet.

### SAFETY AGAINST BURSTING:

At series 400 there is an optional (increased) bursting safety available. at series 300 this is generally existant.  
VEW EUROtest-testing method PIP005 (Short circuit current 10 kA effektiv, arc time > 100ms).

### TEMPORARY CONSTRUCTION SITE OPENING:

Within the side walls of cabinets and bases you have the possibility to break through and opening for construction site cables. Cover plates to relock the opening are available as accessories.

### BASE / PEDESTAL:

With exception of the pillar versions all the cabinets can be placed onto DIN-bases. Therefore nkt cables provides DIN-bases made of glasfiber reinforced polyester (GRP). The bases are available as dig-in version, concrete mounting version to fix the base onto the ground, as festival version with temporary cable entry, flooding version (dig-in version in higher design) or as tubular steel stand.

Gridplates, cable fixing bars and/-clamps, covers for temporary construction site openings as well as filling compound are available as accessories.

At the pillar version cabinet and base build one unit via a through-going side wall.

### TYPE DESIGNATION CODE:

Example.: KH406 D 1/3-2/3 v2 -set

KH	empty cabinet
KM	cabinet with integrated mounting plate
KE	cabinet with metal installation frame
KLZ	cabinet with busbar system
ZS	metering cabinet/-pillar
SB	street lighting cabinet/-pillar
BV	building site cabinet
4xx	cabinet series 400
3xx	cabinet series 300
1xx	cabinet series 100, glued cabinet, doors double-walled
0xx	cabinet series 000, glued cabinet, doors double-walled
x0x	version in height 865 mm (deviant at series 000 and 100)
x3x	version in depth 478 mm
x4x	version in height 1250 mm
x7x	pillar version
x8x	version in height 1100 mm
xx1	cabinet in DIN-size 00
xx2	cabinet in DIN-size 0
xx4	cabinet in DIN-size 1
xx6	cabinet in DIN-size 2
xx8	cabinet in DIN-size 3
D	double deep version
1/3-2/3	cabinet with asymmetrisc door split
v2	variation of design
-set	version supplied in single parts - not assambled

### BUILT-IN COMPONENTS:

On request the cabinets could be equipped with mounting plates, busbar systems, metal supporting structures, 19"-Racks or metering and distribution pannels.

## Series 400

Cabinets series 400 are the advanced successors of the well proven series 300. The dimensions of series 400 are in accordance with requirements of the German standards DIN 43629 part 1, part 2 and part 3. Series 400 is available in DIN sizes 00, 0, 1 and 2. It can be mounted without limitation on bases with dimensions according to DIN 43629 part 2. In all respect series 400 complies with the electrical and mechanical requirements of European standard EN 60439-5 (DIN/VDE 0660 part 503 and part 500) and IEC 439 respectively.

The protection degree of the standard version is IP34D (= IP43/44) acc. to DIN EN 60529. An increase up to IP54 is possible.

With its latest design features as well as with the flexible and customer orientated equipment options the series 400 is one of the most popular cabinet ranges in the market.

The cabinets are available in the DIN sizes 00 / 0 / 1 and 2 where cabinets of size 00 / 0 and 1 are fitted with a one wing door and size 2 with a double wing door ( for size 1 on request ). Asymmetric door splits for DIN 1 and 2 are also part of the product range.

All cabinet components and interior can be fitted with self-cutting screws without any integrated metal parts. Therefore it is possible to fully recycle series 400 cabinet parts.

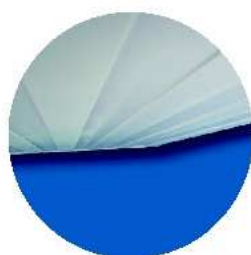
Predetermined breaking points premoulded at the fixing points between cabinet and base shall break in case of physical force. A damage of the base and the consequent digging work is thus avoided.

### Additional features to be highlighted are:

- ✓ Gap-free connection of cabinets next to each other.
- ✓ 180° door opening angle ( 135° if cabinets are located side by side ).
- ✓ Protection degree of IP44 which could be upgraded up to IP54
- ✓ Removable hinge pins allow easy, tool-free installation and deinstallation of the doors, including a change from left to right hand opening.
- ✓ Upgrade kit for extended bursting safety ( accidental arcing protection ) which could also be retrofitted is available.
- ✓ Optional mounting plates as well as installation frames made of galvanized steel are available.



Round roof with condensation control for highest stability.



Poster rejecting surface at the doors and rear wall. Plane side walls allow easy fixing of socket outlets or side entry doors.



Three-point locking mechanism with swivelling lever of shockresistant insulation material provided for semi-cylinder lock. On request, other locks - e.g. for 2 section semi-cylinder locks - can be installed.



Easy disassembly of threshold without additional tools for easy cable entry.



### Series 300

The cabinets of the well proven series 300 are in accordance with requirements of the German standards DIN 43629 part 1, part 2 and part 3. Series 300 is available in DIN sizes 00, 0, 1 and 2. It can be mounted without limitation on bases with dimensions according to DIN 43629 part 2. In all respect series 300 complies with the electrical and mechanical requirements of European standard EN 60439-5 (DIN/VDE 0660 part 503 and part 500) and IEC 439 respectively.

The protection degree of the standard version is IP34D (= IP43/44) acc. to DIN EN 60529. An increase up to IP54 is possible.

During the development of this cabinet range it was of particular importance to design a cabinet with very high stability and to allow a flexible and customer specific expandability.

The cabinets are available in the DIN sizes 00 / 0 / 1 and 2 where cabinets of size 00 / 0 and 1 are fitted with a one wing door and size 2 with a double wing door ( for size 1 on request ). Asymmetric door splits for DIN 1 and 2 are also part of the product range.

In addition to the standard height, series 300 is also available in a higher versions with a height of 1.100 or 1.250 mm.

DIN sizes 0 / 1 and 2 can also be supplied in a 478 mm deep version. As a matter of course there are also pedestals for this deeper version available.

#### Additional features to be highlighted are:

- ✓ Protection degree of IP44 which could be upgraded up to IP54
- ✓ Wide range of different cabinet height and depth levels available
- ✓ Removable hinge pins allow easy, tool-free installation and deinstallation of the doors, including a change from left to right hand opening.
- ✓ Optional mounting plates as well as installation frames made of galvanized steel are available.



Round roof with condensation control for highest stability.



Easy disassembly of threshold without additional tools for easy cable entry.



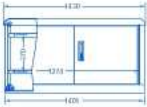



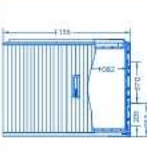

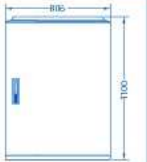

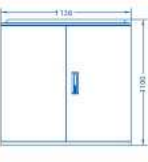
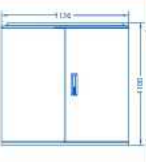





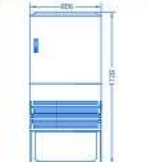
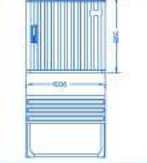
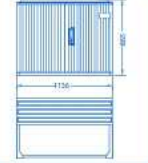
Three-point locking mechanism with swivelling lever of shockresistant insulation material provided for semi-cylinder lock. On request, other locks - e.g. for 2 section semi-cylinder locks - can be installed.



Sturdy design metal hinges enable the placement of heavy loads into the door. e.g. instruments or displays.

		DIN 00			DIN 0		
depth	207 mm	338 mm	478 mm	676 mm	338 mm	478 mm	676 mm
height 750 mm							
height 865 mm							
height 1100 mm							
height 1165 mm							
height 1250 mm							
height 1460 mm							
height 1720 mm							
height 1816 mm							



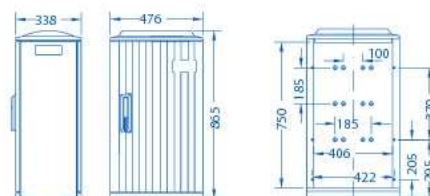
	DIN 1			DIN 2			DIN 3
	338 mm	478 mm	676 mm	338 mm	478 mm	676 mm	328 mm
							
							
							
							
							
							
							

## DIN-Size 00

in height 865/1100 mm and depth 338 mm

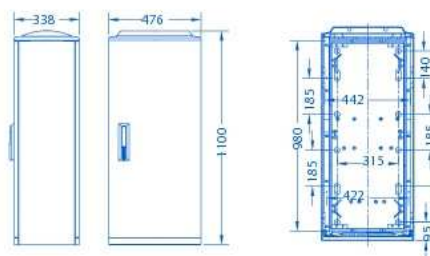
### W x H x D: 476 x 865 x 338 mm

Empty cabinet single-door	KH401	78 100 01
Empty cabinet single-door IP 54	KH401-IP54	78 100 45
Cabinet with mounting plate (PVC)	KM401	78 100 09
(W x H x D 440 x 700 x 5 mm)		
Cabinet in single parts (Set)	KH401-set	31 883 30
Cabinet with metal installation frame	KE411	78 100 11
Cabinet with busbar-system	KLZ401/400-4L	78 200 25
E-Cu 30 x 5 mm (4-pole)* max. assembly		
of 4 build-in units à 100 mm		
Cu-weight 2,1 kg		



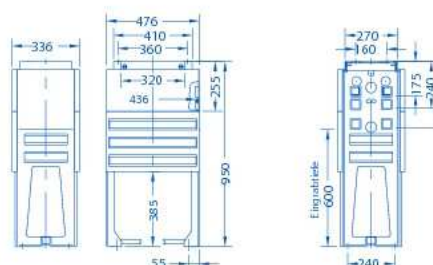
### W x H x D: 476 x 1100 x 338 mm

Empty cabinet single-door	KH381	72 101 00
(incl. fastening material f. mounting plate)		
Empty cabinet single-door IP 54	KH381-IP54	72 187 00
(incl. fastening material f. mounting plate)		
Cabinet with mounting plate (PVC)	KM381	72 106 00
(W x H x D 440 x 960 x 5 mm)		
Cabinet in single parts (Set)	KH381-set	31 883 71
Cabinet with metal installation frame	KE391	72 102 00
Cabinet with busbar-system	KLZ381/400-4L	72 230 00
E-Cu 30 x 6 mm (4-pole)* max. assembly		
of 4 build-in units à 100 mm		
Cu-weight 1,8 kg		



### W x H x D: 476 x 950 x 336 mm

Pedestal (without cable-fixing-bar)	SN00	27 980 05
Cable-fixing-bar (Alu) L-profile 40 x 40 x 5 mm	KHW401	17 858 35
Filling compound (recommended quantity 1 bag)		10 067 35
Other pedestal variations e.g. concrete mounting-, flodding-, metal-frame or festival bases as well as grid plates see page 28		



#### Remark:

If parts of the busbar keeps unpopulated at cabinets with busbar systems it is recommended to cover them. Applicable cover plates see accessories.

\* deviant busbar sizes as well as 5-pole assembly on request respectively see accessories page 31

Accessories see page 29 ff.

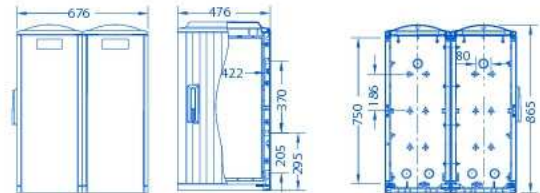


### DIN-Size 00

in height 865/1100 mm and depth 676 mm

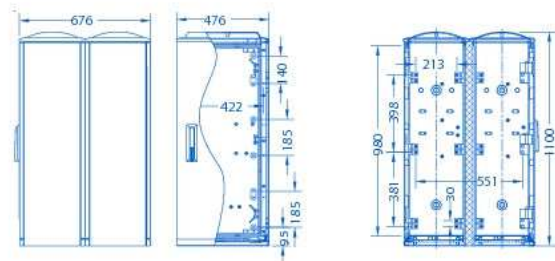
#### W x H x D: 476 x 865 x 676 mm

Empty cabinet single-door	KH401 D	78 100 60
Cabinet with mounting plate (PVC)	KM401 D	78 100 61
(W x H x D 440 x 700 x 5 mm)		



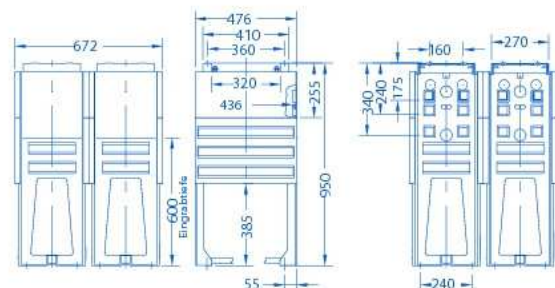
#### W x H x D: 476 x 1100 x 676 mm

Empty cabinet single-door	KH381 D	77 219 00
(incl. fastening material f. mounting plate)		
Cabinet with mounting plate (PVC)	KM381 D	77 220 00
(W x H x D 440 x 960 x 5 mm)		



#### W x H x D: 476 x 950 x 672 mm

Pedestal (without cable-fixing-bar)	SN00 D	27 985 95
Cable-fixing-bar (Alu) L-profile 40 x 40 x 5 mm	KHW401	17 856 35
Filling compound (recommended quantity 2 bags)		10 067 35
Other pedestal variations e.g. concrete mounting-, flodding-, tubular steel stand or festival bases as well as grid plates see page 28		



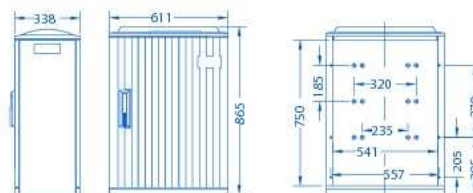
Accessories see page 29 ff.

## DIN-Size 0

in height 865/1100/1250 mm and depth 338 mm

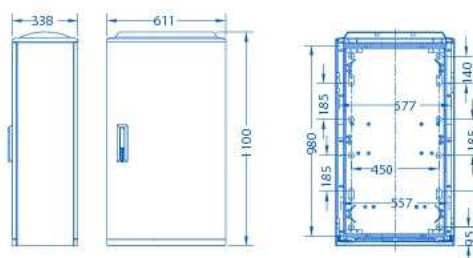
### W x H x D: 611 x 865 x 338 mm

Empty cabinet single-door	KH402	78 300 10
Empty cabinet single-door IP 54	KH402-IP54	78 300 45
Cabinet with mounting plate (PVC)	KM402	78 300 31
(W x H x D 575 x 700 x 5 mm)		
Cabinet in single parts (Set)	KH402-set	31 883 31
Cabinet with metal installation frame	KE412	78 300 11
Cabinet with busbar-system	KLZ402/400-5L	78 400 75
E-Cu 30 x 5 mm (4-pole)* max. assembly		
of 5 build-in units à 100 mm		
Cu-weight 2,6 kg		



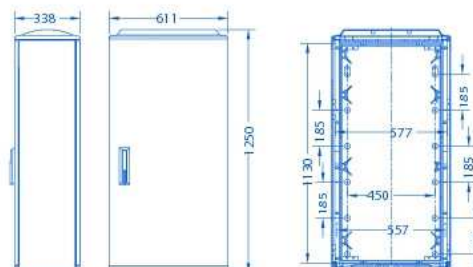
### W x H x D: 611 x 1100 x 338 mm

Empty cabinet single-door	KH382	72 301 00
(incl. fastening material f. mounting plate)		
Empty cabinet single-door IP 54	KH382-IP54	72 387 00
(incl. fastening material f. mounting plate)		
Cabinet with mounting plate (PVC)	KM382	72 322 00
(W x H x D 575 x 960 x 5 mm)		
Cabinet in single parts (Set)	KH382-set	31 883 72
Cabinet with metal installation frame	KE392	72 303 00
Cabinet with busbar-system	KLZ382/400-5L	72 430 00
E-Cu 30 x 5 mm (4-pole)* max. assembly		
of 5 build-in units à 100 mm		
Cu-weight 2,4 kg		



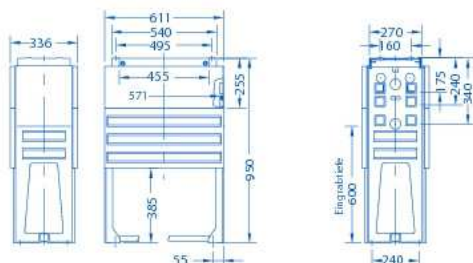
### W x H x D: 611 x 1250 x 338 mm

Empty cabinet single-door	KH342	72 349 00
Empty cabinet single-door IP 54	KH342-IP54	72 388 00
Cabinet with mounting plate (PVC)	KM342	72 340 00
(W x H x D 568 x 1100 x 5 mm)		
Cabinet in single parts (Set)	KH342-set	31 883 48
Cabinet with busbar-system	KLZ342/400-5L	72 431 00
E-Cu 30 x 5 mm (4-pole)* max. assembly		
of 5 build-in units à 100 mm		
Cu-weight 2,4 kg		



### W x H x D: 611 x 950 x 336 mm

Pedestal (without cable-fixing-bar)	SN0	27 980 06
Cable-fixing-bar (Alu) L-profile 40 x 40 x 5 mm	KHW402	17 856 36
Filling compound (recommended quantity 1 bag)		10 067 35
Other pedestal variations e.g. concrete mounting-,		
flooding-, tubular steel stand or festival bases as		
well as grid plates see page 28		



#### Remark:

If parts of the busbar keeps unpopulated at cabinets with busbar systems it is recommended to cover them. Applicable cover plates see accessories.

\* deviant busbar sizes as well as 5-pole assembly on request respectively see accessories page 31

Accessories see page 29 ff.

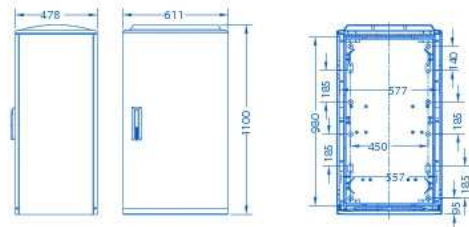


### DIN-Size 0

in height 1100 / 1250 mm and depth 478 mm

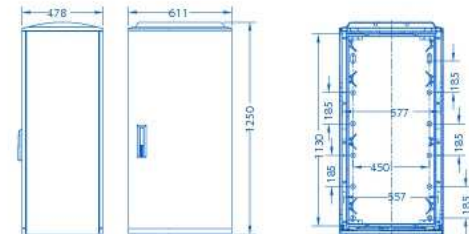
#### W x H x D: 611 x 1100 x 478 mm

Empty cabinet single-door (incl. fastening material f. mounting plate)	KH332-1100	72 330 00
Empty cabinet single-door IP 54 (incl. fastening material f. mounting plate)	KH332-1100-IP54	72 389 00
Cabinet with mounting plate (PVC) (W x H x D 575 x 960 x 5 mm)	KM332-1100	72 334 00
Cabinet in single parts (Set)	KH332-1100-set	31 883 42



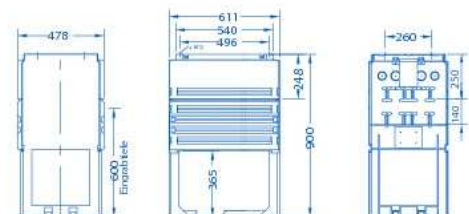
#### W x H x D: 611 x 1250 x 478 mm

Empty cabinet single-door (incl. fastening material f. mounting plate)	KH332-1250	72 331 00
Empty cabinet single-door IP 54 (incl. fastening material f. mounting plate)	KH332-1250-IP54	72 399 00
Cabinet with mounting plate (PVC) (W x H x D 568 x 1100 x 8 mm)	KM332-1250	72 335 00
Cabinet in single parts (Set)	KH332-1250-set	31 883 63



#### W x H x D: 611 x 900 x 478 mm

Pedestal (without cable-fixing-bar)	GS 0 D/2	27 967 91
Cable-fixing-bar (Alu) L-profile 40 x 40 x 5 mm	KHW402	17 856 36
Filling compound (recommended quantity 2 bags)		10 067 35
Other pedestal variations e.g. concrete mounting-, flodding-, tubular steel stand or festival bases as well as grid plates see page 28		



Accessories see page 29 ff.

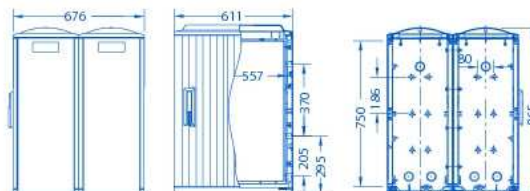
## DIN-Size 0

in height 865/1100/1250 mm and depth 676 mm

### W x H x D: 611 x 865 x 676 mm

Empty cabinet single-door	KH402 D	78 300 60
Cabinet with mounting plate (PVC)	KM402 D	78 300 61

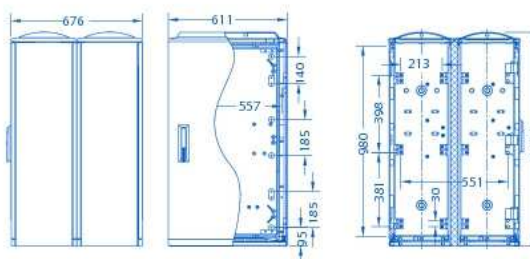
(W x H x D 575 x 700 x 5 mm)



### W x H x D: 611 x 1100 x 676 mm

Empty cabinet single-door	KH382 D	77 221 00
(incl. fastening material f. mounting plate)		
Cabinet with mounting plate (PVC)	KM382 D	77 222 00

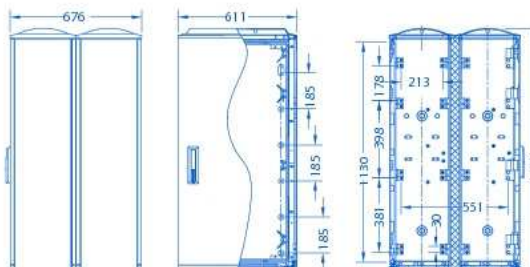
(W x H x D 575 x 960 x 5 mm)



### W x H x D: 611 x 1250 x 676 mm

Empty cabinet single-door	KH342 D	77 227 00
Cabinet with mounting plate (PVC)	KM342 D	77 228 00

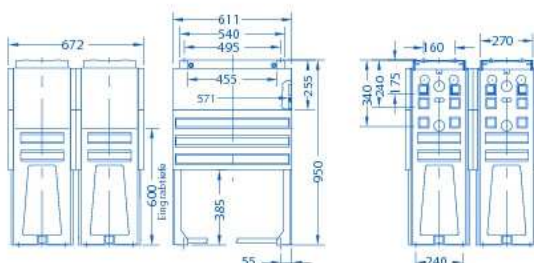
(W x H x D 575 x 1100 x 5 mm)



### W x H x D: 611 x 950 x 672 mm

Pedestal (without cable-fixing-bar)	SN0 D	27 985 96
Cable-fixing-bar (Alu) L-profile 40 x 40 x 5 mm	KHW402	17 856 36
Filling compound (recommended quantity 2 bags)		10 067 35

Other pedestal variations e.g. concrete mounting-,  
flodding-, tubular steel stand or festival bases as  
well as grid plates see page 28



Accessories see page 29 ff.

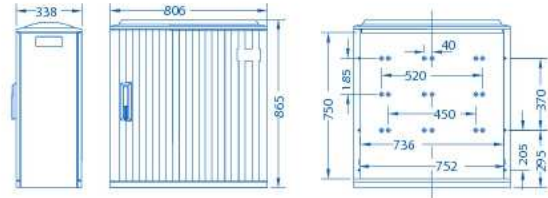


## DIN-Size 1

in height 865 mm and depth 338 mm

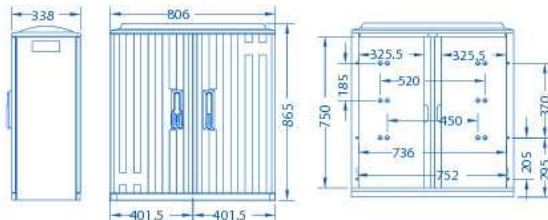
### W x H x D: 806 x 865 x 338 mm

Empty cabinet single-door	KH404	78 500 01
Empty cabinet single-door IP 54	KH404-IP54	78 500 45
Cabinet with mounting plate (PVC)	KM404	78 500 27
(W x H x D 770 x 700 x 5 mm)		
Cabinet in single parts (Set)	KH404-set	31 883 32
Cabinet with metal installation frame	KE414	78 500 11
Cabinet with busbar-system	KLZ404/400-7L	78 600 11
E-Cu 30 x 5 mm (4-pole)* max. assembly		
of 7 build-in units à 100 mm		
Cu-weight 3,6 kg		



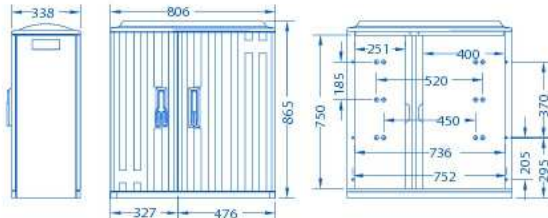
### W x H x D: 806 x 865 x 338 mm

Empty cabinet double-door 1/2-1/2	KH404 (2Pz/1Pz)	78 500 40
Empty cabinet double-door 1/2-1/2 IP 54	KH404 (2Pz/1Pz)-IP54	78 500 42
Cabinet with mounting plate (PVC)	KM404 (2Pz/1Pz)	78 500 41
(W x H x D 770 x 700 x 5 mm)		
Cabinet in single parts (Set)	KH404-set	31 883 32



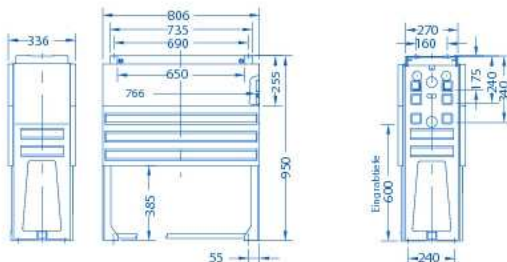
### W x H x D: 806 x 865 x 338 mm

Empty cabinet double-door asymmetric 1/3-2/3	KH404 (1/3-2/3)	78 500 50
Empty cabinet double-door asymm. 1/3-2/3 IP 54	KH404 (1/3-2/3)-IP54	78 500 52
Cabinet with mounting plate (PVC)	KM404 (1/3-2/3)	78 500 51
(W x H x D 770 x 700 x 5 mm)		



### W x H x D: 806 x 950 x 336 mm

Pedestal (without cable-fixing-bar)	SN1	27 980 07
Cable-fixing-bar (Alu) L-profile 40 x 40 x 5 mm	KHW404	17 856 37
Filling compound (recommended quantity 2 bags)		10 067 35
Other pedestal variations e.g. concrete mounting-, flodding-, tubular steel stand or festival bases as well as grid plates see page 28		



#### Remark:

If parts of the busbar keeps unpopulated at cabinets with busbar systems it is recommended to cover them. Applicable cover plates see accessories.

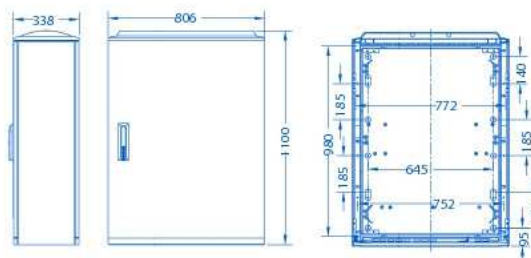
\* deviant busbar sizes as well as 5-pole assembly on request respectively see accessories page 31

Accessories see page 29 ff.

## DIN-Size 1 in height 1100 mm and depth 338 mm

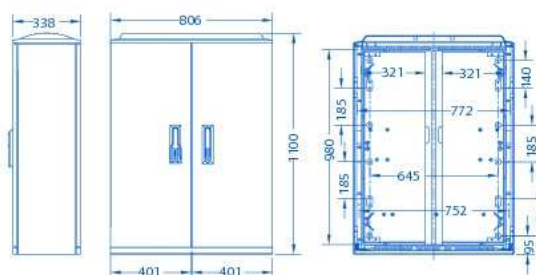
### W x H x D: 806 x 1100 x 338 mm

Empty cabinet single-door (incl. fastening material f. mounting plate)	KH384	72 502 00
Empty cabinet single-door IP 54 (incl. fastening material f. mounting plate)	KH384-IP54	72 587 00
Cabinet with mounting plate (PVC) (W x H x D 770 x 960 x 5 mm)	KM384	72 536 00
Cabinet in single parts (Set)	KH384-set	31 883 73
Cabinet with metal installation frame	KE394	72 504 00
Cabinet with busbar-system E-Cu 30 x 5 mm (4-pole)* max. assembly of 7 build-in units à 100 mm	KLZ384/400-7L	72 630 00
Cu-weight 3,4 kg		



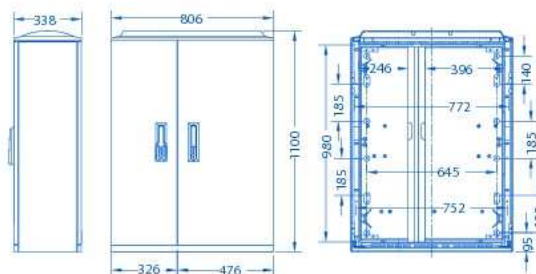
### W x H x D: 806 x 1100 x 338 mm

Empty cabinet double-door 1/2-1/2	KH384 (2Pz/1Pz)	72 560 00
Empty cabinet double-door 1/2-1/2 IP 54	KH384 (2Pz/1Pz)-IP54	78 568 00
Cabinet with mounting plate (PVC) (W x H x D 770 x 960 x 5 mm)	KM384 (2Pz/1Pz)	72 561 00



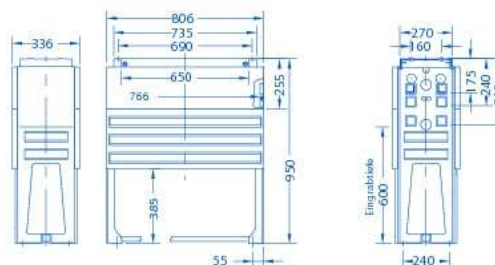
### W x H x D: 806 x 1100 x 338 mm

Empty cabinet double-door asymmetric 1/3-2/3	KH384 (1/3-2/3)	72 562 00
Empty cabinet double-door asymm. 1/3-2/3 IP 54	KH384 (1/3-2/3)-IP54	72 569 00
Cabinet with mounting plate (PVC) (W x H x D 770 x 960 x 5 mm)	KM384 (1/3-2/3)	72 563 00



### W x H x D: 806 x 950 x 336 mm

Pedestal (without cable-fixing-bar)	SN1	27 980 07
Cable-fixing-bar (Alu) L-profile 40 x 40 x 5 mm	KHW404	17 858 37
Filling compound (recommended quantity 2 bags)		10 067 35
Other pedestal variations e.g. concrete mounting-, flodding-, tubular steel stand or festival bases as well as grid plates see page 28		



#### Remark:

If parts of the busbar keeps unpopulated at cabinets with busbar systems it is recommended to cover them. Applicable cover plates see accessories.

\* deviant busbar sizes as well as 5-pole assembly on request respectively see accessories page 31

Accessories see page 29 ff.

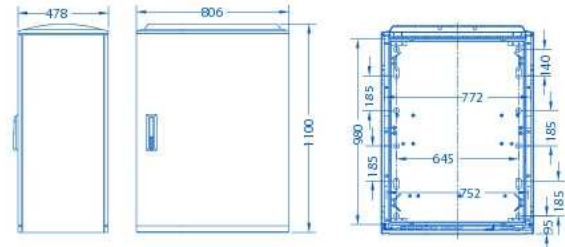


## DIN-Size 1

in height 1100 mm and depth 478 mm

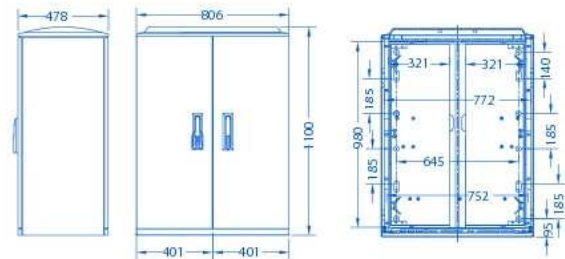
### W x H x D: 806 x 1100 x 478 mm

Empty cabinet single-door (incl. fastening material f. mounting plate)	KH334-1100	72 530 00
Empty cabinet single-door IP 54 (incl. fastening material f. mounting plate)	KH334-1100-IP54	72 589 00
Cabinet with mounting plate (PVC) (W x H x D 770 x 960 x 5 mm)	KM334-1100	72 537 00
Cabinet in single parts (Set)	KH334-1100-set	31 883 43



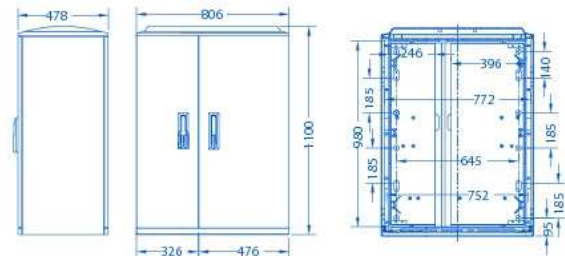
### W x H x D: 806 x 1100 x 478 mm

Empty cabinet double-door 1/2-1/2	KH334 (2Pz/1Pz)	72 564 00
Empty cabinet double-door 1/2-1/2 IP 54	KH334 (2Pz/1Pz)-IP54	78 570 00
Cabinet with mounting plate (PVC) (W x H x D 770 x 960 x 5 mm)	KM334 (2Pz/1Pz)	72 565 00



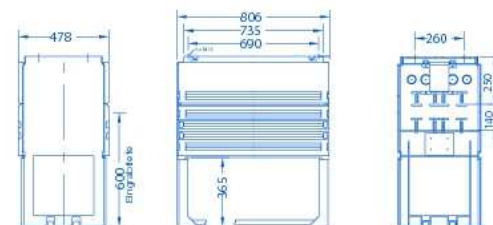
### W x H x D: 806 x 1100 x 478 mm

Empty cabinet double-door asymmetric 1/3-2/3	KH334 (1/3-2/3)	72 566 00
Empty cabinet double-door asymm. 1/3-2/3 IP 54	KH334 (1/3-2/3)-IP54	72 571 00
Cabinet with mounting plate (PVC) (W x H x D 770 x 960 x 5 mm)	KM334 (1/3-2/3)	72 567 00



### W x H x D: 806 x 900 x 478 mm

Pedestal (without cable-fixing-bar)	GS 1 D/2	27 967 42
Cable-fixing-bar (Alu) L-profile 40 x 40 x 5 mm	KHW404	17 856 37
Filling compound (recommended quantity 2 bags)		10 067 35
Other pedestal variations e.g. concrete mounting-, flodding-, tubular steel stand or festival bases as well as grid plates see page 28		



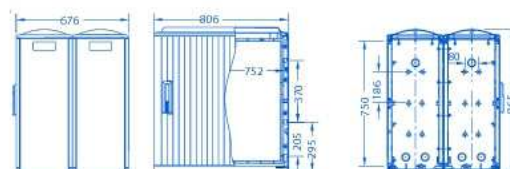
Accessories see page 29 ff.

## DIN-Size 1

in height 865/1100 mm and depth 676 mm

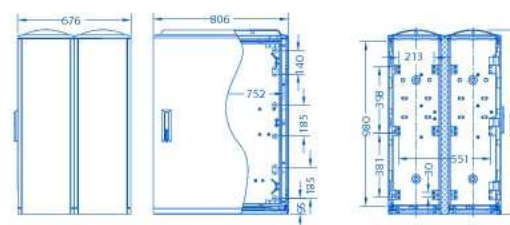
### W x H x D: 806 x 865 x 676 mm

Empty cabinet single-door	KH404 D	78 500 60
Cabinet with mounting plate (PVC)	KM404 D	78 500 61
(W x H x D 770 x 700 x 5 mm)		



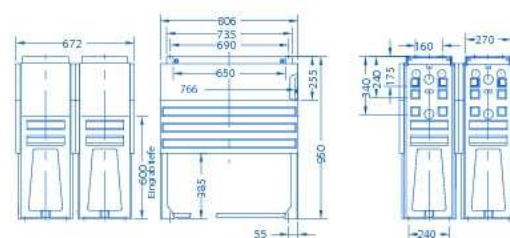
### W x H x D: 806 x 1100 x 676 mm

Empty cabinet single-door	KH384 D	77 212 00
(incl. fastening material f. mounting plate)		
Cabinet with mounting plate (PVC)	KM384 D	77 224 00
(W x H x D 770 x 960 x 5 mm)		



### W x H x D: 806 x 950 x 672 mm

Pedestal (without cable-fixing-bar)	SN1 D	27 985 97
Cable-fixing-bar (Alu) L-profile 40 x 40 x 5 mm	KHW404	17 856 37
Filling compound (recommended quantity 3 bags)		10 067 35
Other pedestal variations e.g. concrete mounting-, flodding-, tubular steel stand or festival bases as well as grid plates see page 28		



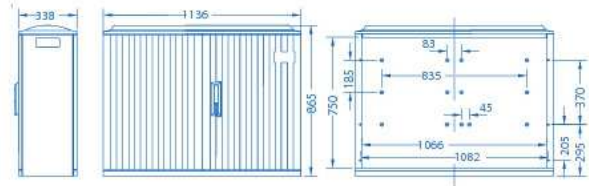
Accessories see page 29 ff.

## DIN-Size 2

in height 865 mm and depth 338 mm

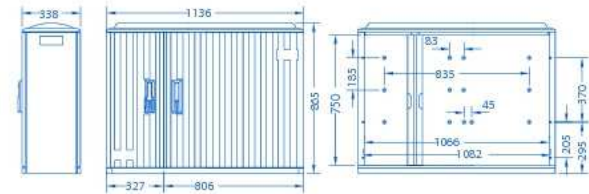
### W x H x D: 1136 x 865 x 338 mm

Empty cabinet double-door	KH406	78 700 02
Empty cabinet double-door IP 54	KH406-IP54	72 700 45
Cabinet with mounting plate (PVC)	KM406	78 700 16
(W x H x D 1098 x 700 x 8 mm)		
Cabinet in single parts (Set)	KH406-set	31 883 33
Cabinet with metal installation frame	KE416	78 700 11
Cabinet with busbar-system	KLZ406/400-10L	78 800 11
E-Cu 30 x 5 mm (4-pole)* max. assembly of 10 build-in units à 100 mm		
Cu-weight 5,5 kg		



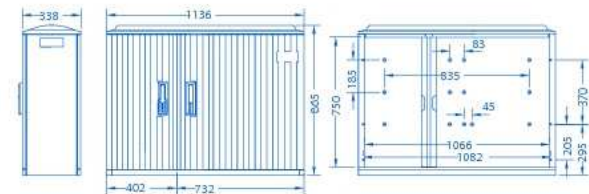
### W x H x D: 1136 x 865 x 338 mm

Empty cabinet double-door asymmetric 1/3-2/3	KH406 (1/3-2/3)	78 700 50
Split 327 mm-806 mm		
Empty cabinet double-door asymm. 1/3-2/3 IP 54	KH406 (1/3-2/3)-IP54	72 700 55
Cabinet with mounting plate (PVC)	KM406 (1/3-2/3)	78 700 51
(W x H x D 1098 x 700 x 8 mm)		



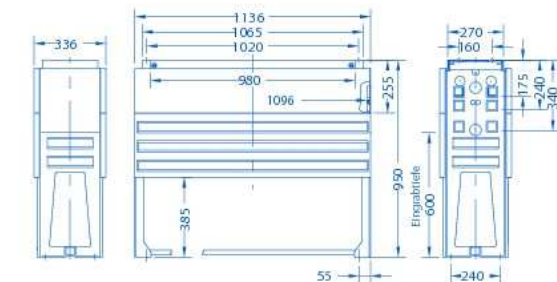
### W x H x D: 1136 x 865 x 338 mm

Empty cabinet double-door asymmetric 1/3-2/3 V2	KH406 (1/3-2/3)	78 700 52
Split 402 mm-732 mm		
Cabinet with mounting plate (PVC)	KM406 (1/3-2/3)	78 700 53
(W x H x D 1098 x 700 x 8 mm)		



### W x H x D: 1136 x 950 x 336 mm

Pedestal (without cable-fixing-bar)	SN2	27 980 08
Cable-fixing-bar (Alu) L-profile 40 x 40 x 5 mm	KHW406	17 856 38
Filling compound (recommended quantity 2 bags)		10 067 35
Other pedestal variations e.g. concrete mounting-, flodding-, tubular steel stand or festival bases as well as grid plates see page 28		



#### Remark:

If parts of the busbar keeps unpopulated at cabinets with busbar systems it is recommended to cover them. Applicable cover plates see accessories.

\* deviant busbar sizes as well as 5-pole assembly on request respectively see accessories page 31

Accessories see page 29 ff.

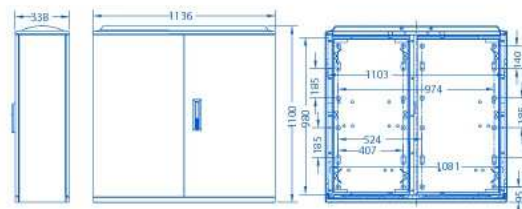


## DIN-Size 2

in height 1100 mm and depth 338 mm

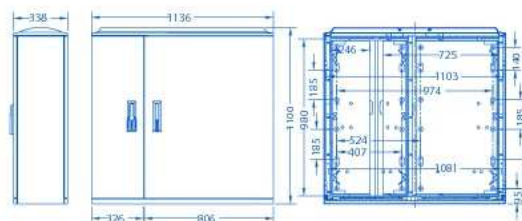
### W x H x D: 1136 x 1100 x 338 mm

Empty cabinet double-door (incl. fastening material f. mounting plate)	KH386	72 701 00
Empty cabinet double-door IP 54 (incl. fastening material f. mounting plate)	KH386-IP54	72 786 00
Cabinet with mounting plate (PVC) (W x H x D 1098 x 960 x 5 mm)	KM386	72 706 00
Cabinet in single parts (Set)	KH386-set	31 883 74
Cabinet with metal installation frame	KE396	72 703 00
Cabinet with busbar-system E-Cu 30 x 5 mm (4-pole)* max. assembly of 10 build-in units à 100 mm	KLZ386/400-10L	72 830 00
Cu-weight 5,3 kg		



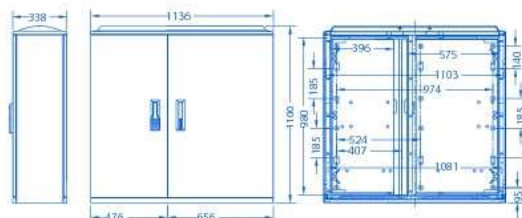
### W x H x D: 1136 x 1100 x 338 mm

Empty cabinet double-door asymmetric 1/3-2/3 Split 326 mm-806 mm	KH386 (1/3-2/3)	72 795 00
Empty cabinet double-door asymm. 1/3-2/3 IP 54	KH386 (1/3-2/3)-IP54	72 792 00
Cabinet with mounting plate (PVC) (W x H x D 1098 x 960 x 8 mm)	KM386 (1/3-2/3)	72 796 00



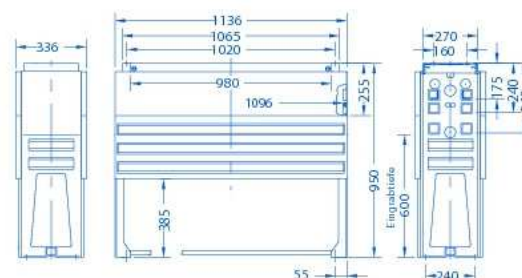
### W x H x D: 1136 x 1100 x 338 mm

Empty cabinet double-door asymmetric 1/3-2/3 Split 476 mm-656 mm	KH386 (1/3-2/3)	72 797 00
Cabinet with mounting plate (PVC) (W x H x D 1098 x 960 x 8 mm)	KM386 (1/3-2/3)	72 798 00



### W x H x D: 1136 x 950 x 336 mm

Pedestal (without cable-fixing-bar)	SN2	27 980 08
Cable-fixing-bar (Alu) L-profile 40 x 40 x 5 mm	KHW406	17 856 38
Filling compound (recommended quantity 2 bags)		10 067 35
Other pedestal variations e.g. concrete mounting-, flodding-, tubular steel stand or festival bases as well as grid plates see page 28		



#### Remark:

If parts of the busbar keeps unpopulated at cabinets with busbar systems it is recommended to cover them. Applicable cover plates see accessories.

\* deviant busbar sizes as well as 5-pole assembly on request respectively see accessories page 31

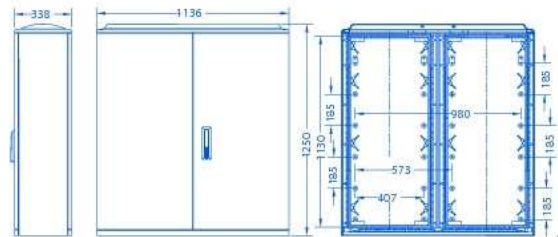
Accessories see page 29 ff.

## DIN-Size 2

in height 1250 mm and depth 338 mm

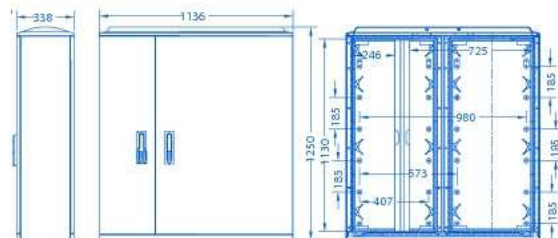
### W x H x D: 1136 x 1250 x 338 mm

Empty cabinet double-door	KH346	72 749 00
Empty cabinet double-door IP 54	KH346-IP54	72 788 00
Cabinet with mounting plate (PVC)	KM346	72 737 00
(W x H x D 1098 x 1100 x 8 mm)		
Cabinet in single parts (Set)	KH346-set	31 883 48
Cabinet with busbar-system	KLZ346/400-10L	72 831 00
E-Cu 30 x 5 mm (4-pole)* max. assembly		
of 10 build-in units à 100 mm		
Cu-weight 5,3 kg		



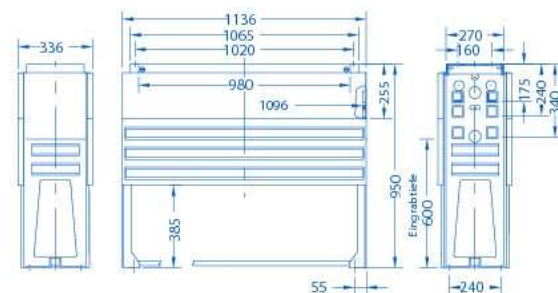
### W x H x D: 1136 x 1250 x 338 mm

Empty cabinet double-door asymmetric 1/3-2/3	KH346 (2Pz/1Pz)	72 793 00
Split 326 mm-806 mm		
Empty cabinet double-door asymm. 1/3-2/3 IP 54	KH346 (2Pz/1Pz)-IP54	72 701 01
Cabinet with mounting plate (PVC)	KM346 (2Pz/1Pz)	72 794 00
(W x H x D 1098 x 1100 x 8 mm)		



### W x H x D: 1136 x 950 x 336 mm

Pedestal (without cable-fixing-bar)	SN2	27 980 08
Cable-fixing-bar (Alu) L-profile 40 x 40 x 5 mm	KHW406	17 856 38
Filling compound (recommended quantity 2 bags)		10 067 35
Other pedestal variations e.g. concrete mounting-,		
flooding-, tubular steel stand or festival bases as		
well as grid plates see page 28		



#### Remark:

If parts of the busbar keeps unpopulated at cabinets with busbar systems it is recommended to cover them. Applicable cover plates see accessories.

\* deviant busbar sizes as well as 5-pole assembly on request respectively see accessories page 31

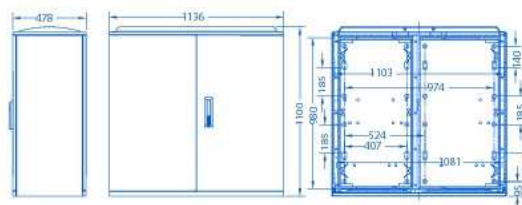
Accessories see page 29 ff.

## DIN-Size 2

in height 1100/1250 mm and depth 478 mm

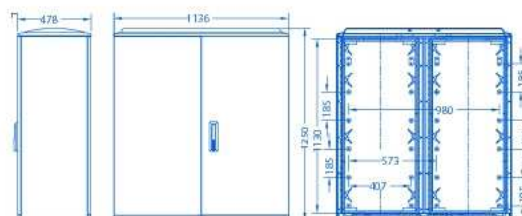
### W x H x D: 1136 x 1100 x 478 mm

Empty cabinet double-door (incl. fastening material f. mounting plate)	KH336-1100	72 730 00
Empty cabinet double-door IP 54 (incl. fastening material f. mounting plate)	KH336-1100-IP54	72 789 00
Cabinet with mounting plate (PVC) (W x H x D 1098 x 960 x 8 mm)	KM336-1100	72 735 00
Cabinet in single parts (Set)	KH336-1100-set	31 883 44



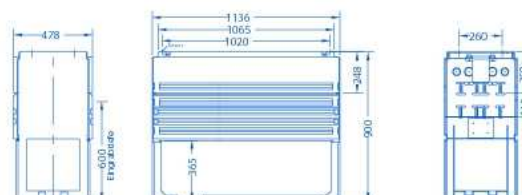
### W x H x D: 1136 x 1250 x 478 mm

Empty cabinet double-door (incl. fastening material f. mounting plate)	KH336-1250	72 731 00
Empty cabinet double-door IP 54 (incl. fastening material f. mounting plate)	KH336-1250-IP54	72 799 00
Cabinet with mounting plate (PVC) (W x H x D 1098 x 1100 x 8 mm)	KM336-1250	72 772 00
Cabinet in single parts (Set)	KH336-1250-set	31 883 64



### W x H x D: 1136 x 900 x 478 mm

Pedestal (without cable-fixing-bar)	GS 2 D/2	27 967 93
Cable-fixing-bar (Alu) L-profile 40 x 40 x 5 mm	KHW406	17 856 38
Filling compound (recommended quantity 2 bags)		10 067 35
Other pedestal variations e.g. concrete mounting-, flodding-, tubular steel stand or festival bases as well as grid plates see page 28		



Accessories see page 29 ff.

\* deviant busbar sizes as well as 5-pole assembly on request  
respectively see accessories page 31

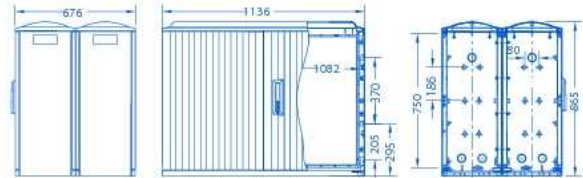


## DIN-Size 2

in height 865/1100/1250 mm and depth 676 mm

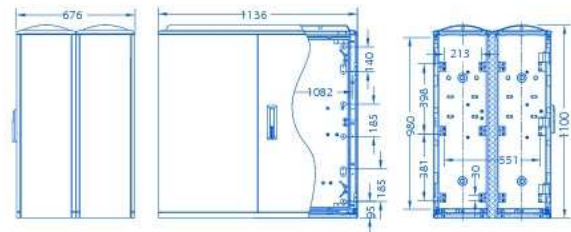
### W x H x D: 1136 x 865 x 676 mm

Empty cabinet double-door	KH406 D	78 700 60
Cabinet with mounting plate (PVC)	KM406 D	78 700 61
(W x H x D 1098 x 700 x 8 mm)		



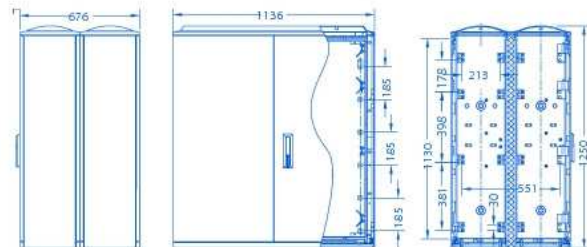
### W x H x D: 1136 x 1100 x 676 mm

Empty cabinet double-door	KH386 D	77 211 00
(incl. fastening material f. mounting plate)		
Cabinet with mounting plate (PVC)	KM386 D	77 226 00
(W x H x D 1098 x 960 x 8 mm)		



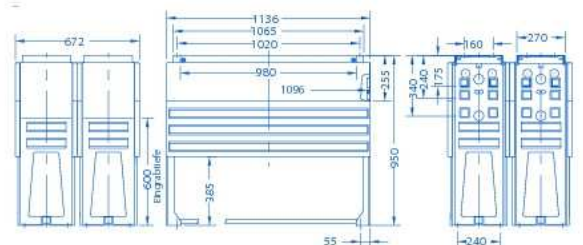
### W x H x D: 1136 x 1250 x 676 mm

Empty cabinet double-door	KH346 D	77 229 00
(incl. fastening material f. mounting plate)		
Cabinet with mounting plate (PVC)	KM346 D	77 230 00
(W x H x D 1098 x 1100 x 8 mm)		



### W x H x D: 1136 x 950 x 672 mm

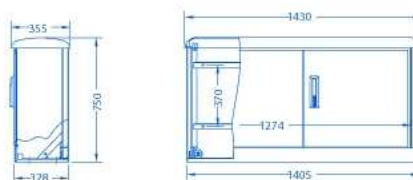
Pedestal (without cable-fixing-bar)	SN2 D	27 985 98
Cable-fixing-bar (Alu) L-profile 40 x 40 x 5 mm	KHW406	17 856 38
Filling compound (recommended quantity 4 bags)		10 067 35
Other pedestal variations e.g. concrete mounting-, flodding-, tubular steel stand or festival bases as well as grid plates see page 28		



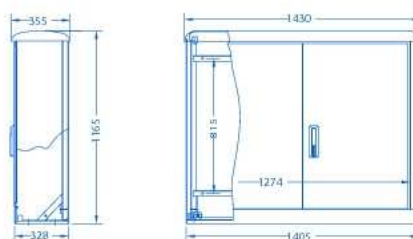
Accessories see page 29 ff.

**in height 750 / 1165 mm and depth 328 mm**

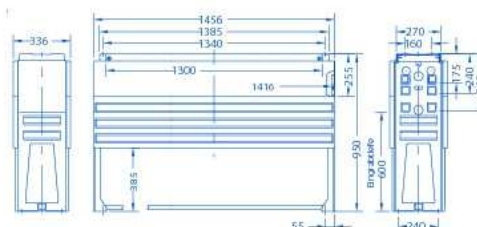
Cabinet with metal installation frame	KE158	71 501 05
Cabinet with metal installation frame IP 54	KE158-IP54	71 521 00
Cabinet with frame & mounting plate (PVC) (W x H x D 1270 x 610 x 8 mm)	KM158	71 520 00
Cabinet with busbar-system E-Cu 30 x 5 mm (4-pole)* max. assembly of 12 build-in units à 100 mm Cu-weight 7,7 kg	KLZ158/400-12L	71 625 00



Cabinet with metal installation frame	KE58	73 522 20
Cabinet with metal installation frame IP 54	KE58-IP54	73 501 22
Cabinet with frame & mounting plate (PVC) (W x H x D 1270 x 1050 x 8 mm)	KM58	73 513 00
Cabinet with busbar-system E-Cu 30 x 5 mm (4-pole)* max. assembly of 12 build-in units à 100 mm Cu-weight 7.7 kg	KLZ58/400-12L	73 620 00



Pedestal (without cable-fixing-bar)	SN3	27 980 15
Cable-fixing-bar (Alu) L-profile 40 x 40 x 5 mm	KHW	17 856 39
Filling compound (recommended quantity 3 bags)		10 067 35
Other pedestal variations e.g. concrete mounting-, floodling-, tubular steel stand or festival bases as well as grid plates see page 28		

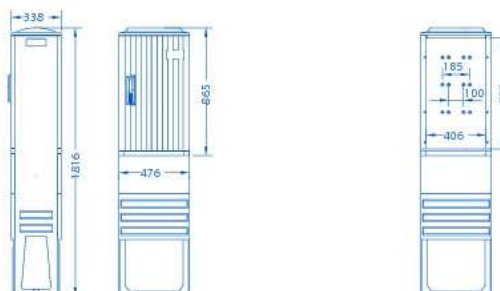


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## PILLARS DIN-Size 00 / 0 / 1 / 2 in height 1816 mm and depth 338 mm

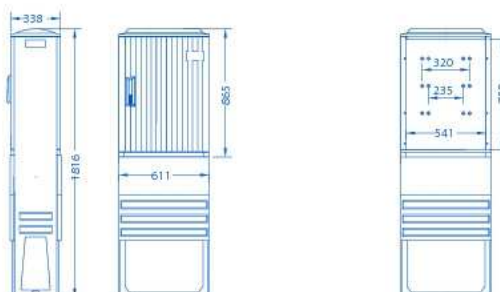
### W x H x D: 476 x 1816 x 338 mm

Empty cabinet single-door	KH471	78 101 01
Cabinet with mounting plate (PVC)	KM471	78 101 03
(W x H x D 440 x 960 x 5 mm)		
Cabinet with busbar-system	KLZ471/400-4L	78 102 01
E-Cu 30 x 5 mm (4-pole)* max. assembly of 4 build-in units à 100 mm		
Cu-weight 2,1 kg		



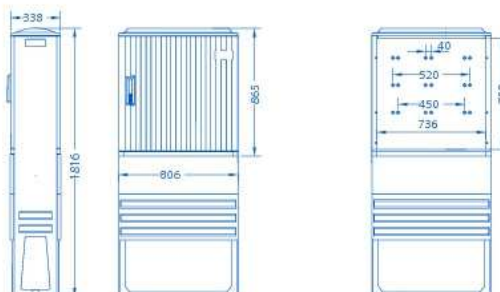
### W x H x D: 611 x 1816 x 338 mm

Empty cabinet single-door	KH472	78 301 01
Cabinet with mounting plate (PVC)	KM472	78 301 03
(W x H x D 575 x 960 x 5 mm)		
Cabinet with busbar-system	KLZ472/400-5L	78 401 01
E-Cu 30 x 5 mm (4-pole)* max. assembly of 5 build-in units à 100 mm		
Cu-weight 2,6 kg		



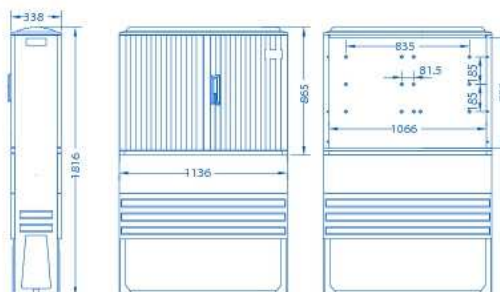
### W x H x D: 806 x 1816 x 338 mm

Empty cabinet single-door	KH474	78 501 01
Cabinet with mounting plate (PVC)	KM474	78 501 03
(W x H x D 770 x 960 x 5 mm)		
Cabinet with busbar-system	KLZ474/400-7L	78 601 51
E-Cu 30 x 5 mm (4-pole)* max. assembly of 7 build-in units à 100 mm		
Cu-weight 3,6 kg		



### W x H x D: 1136 x 1816 x 338 mm

Empty cabinet double-door	KH476	78 701 01
Cabinet with mounting plate (PVC)	KM476	78 701 03
(W x H x D 1098 x 960 x 8 mm)		
Cabinet with busbar-system	KLZ476/400-10L	78 801 01
E-Cu 30 x 5 mm (4-pole)* max. assembly of 10 build-in units à 100 mm		
Cu-weight 5,5 kg		



#### Remark:

If parts of the busbar keeps unpopulated at cabinets with busbar systems it is recommended to cover them. Applicable cover plates see accessories.

\* deviant busbar sizes as well as 5-pole assembly on request respectively see accessories page 31

Accessories see page 29 ff.

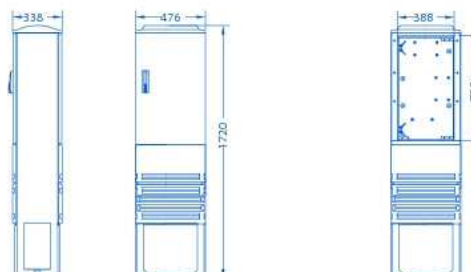


## PILLARS DIN-Size 00 / 0 / 1

### in height 1720 mm and depth 338 mm

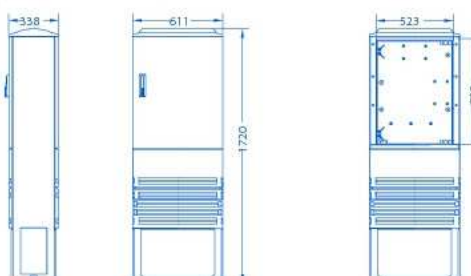
#### W x H x D: 476 x 1720 x 338 mm

Empty cabinet single-door	KH371	79 101 07
Cabinet with mounting plate (PVC)	KM371	79 111 00
(W x H x D 440 x 700 x 5 mm)		
Cabinet with busbar-system	KLZ371/400-4L	79 201 20
E-Cu 30 x 5 mm (4-pole)* max. assembly		
of 4 build-in units à 100 mm		
Cu-weight 1,8 kg		



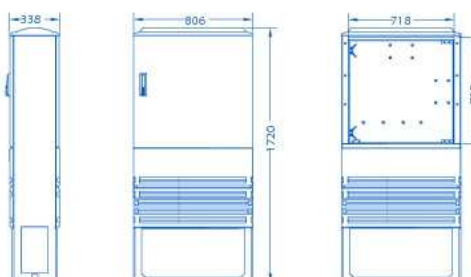
#### W x H x D: 611 x 1720 x 338 mm

Empty cabinet single-door	KH372	79 301 05
Cabinet with mounting plate (PVC)	KM372	79 308 00
(W x H x D 575 x 700 x 5 mm)		
Cabinet with busbar-system	KLZ372/400-5L	79 401 01
E-Cu 30 x 5 mm (4-pole)* max. assembly		
of 5 build-in units à 100 mm		
Cu-weight 2,4 kg		



#### W x H x D: 806 x 1720 x 338 mm

Empty cabinet single-door	KH374	79 501 05
Cabinet with mounting plate (PVC)	KM374	79 541 00
(W x H x D 770 x 700 x 5 mm)		
Cabinet with busbar-system	KLZ374/400-7L	79 601 30
E-Cu 30 x 5 mm (4-pole)* max. assembly		
of 7 build-in units à 100 mm		
Cu-weight 3,4 kg		



#### Remark:

If parts of the busbar keeps unpopulated at cabinets with busbar systems it is recommended to cover them. Applicable cover plates see accessories.

\* deviant busbar sizes as well as 5-pole assembly on request respectively see accessories page 31

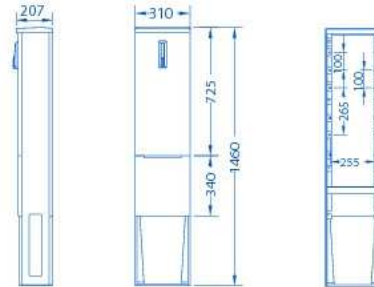
Accessories see page 29 ff.

### PILLARS

in height 1460 mm, width 310/410 mm and depth 207 mm

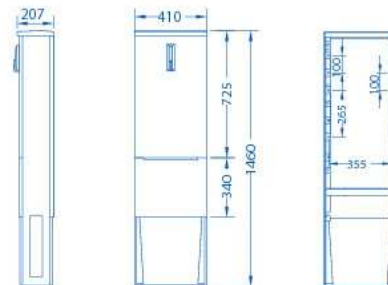
#### W x H x D: 310 x 1460 x 207 mm

Empty cabinet single-door	KH150	58 000 12
Cabinet with mounting plate (PVC)	KM150	58 000 00
(W x H x D 285 x 640 x 5 mm)		
Cabinet with busbar-system	KLZ150/100-5L	76 150 60
E-Cu 30 x 5 mm (4-pole)* max. assembly		
of 5 build-in units à 50 mm		
Cu-weight 1,5 kg		



#### W x H x D: 410 x 1460 x 207 mm

Empty cabinet single-door	KH151	76 151 12
Cabinet with mounting plate (PVC)	KM151	58 000 50
(W x H x D 385 x 640 x 5 mm)		
Cabinet with busbar-system	KLZ151/100-7L	76 151 60
E-Cu 30 x 5 mm (4-pole)* max. assembly		
of 5 build-in units à 50 mm		
Cu-weight 1,9 kg		



#### Remark:

If parts of the busbar keeps unpopulated at cabinets with busbar systems it is recommended to cover them. Applicable cover plates see accessories.

\* deviant busbar sizes as well as 5-pole assembly on request respectively see accessories page 31

Accessories see page 29 ff.

## PEDESTALS DIN-Size 00 / 0 / 1 / 2 / 3 in height 350 / 950 / 1250 mm and depth 338 mm

### Concrete mounting pedestal

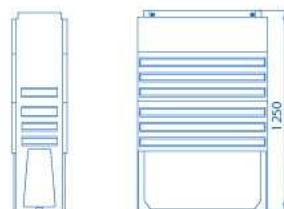
DIN-Size 00	GS-F 00	27 967 60
DIN-Size 0	GS-F 0	27 967 61
DIN-Size 1	GS-F 1	27 967 62
DIN-Size 2	GS-F 2	27 967 63
DIN-Size 3	GS-F 3	27 967 64



### Flood type pedestal

flat packed without cable-fixing-bar

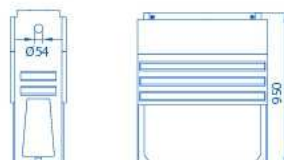
DIN-Size 00	SN-H 00	27 990 01
DIN-Size 0	SN-H 0	27 990 02
DIN-Size 1	SN-H 1	27 990 03
DIN-Size 2	SN-H 2	27 990 04
DIN-Size 3	SN-H 3	27 990 05



### Standard pedestal

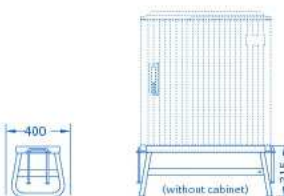
with construction site entry (right side)  
incl. cable fixing clamp and cable-fixing-bar

DIN-Size 00	SN-BZ 00	27 980 26
DIN-Size 0	SN-BZ 0	27 980 27
DIN-Size 1	SN-BZ 1	27 980 28
DIN-Size 2	SN-BZ 2	27 980 29



### Tubular steel stand

DIN-Size 00	27 065 91
DIN-Size 0	27 065 92
DIN-Size 1	27 065 93
DIN-Size 2	27 065 94



Accessories see page 33



## ACCESSORIES

### Cabinets

#### Mounting plates

##### Series 400 – PVC

Cabinet type	Depth	Width	Height	Art.-No.:
401 / 401 D	5 mm	440 mm	700 mm	17 964 30
402 / 402 D	5 mm	575 mm	700 mm	17 964 31
404 / 404 D	5 mm	770 mm	700 mm	17 964 32
406 / 406 D	8 mm	1098 mm	700 mm	17 964 33

#### Mounting plates (\*)

##### Series 300 – PVC

Cabinet type	Depth	Width	Height	Art.-No.:
381 / 381 D	5 mm	440 mm	960 mm	17 964 34
382 / 382 D	5 mm	575 mm	960 mm	17 964 35
384 / 384 D	5 mm	770 mm	960 mm	17 964 36
386 / 386 D	8 mm	1098 mm	960 mm	17 964 86
332-1100	5 mm	575 mm	960 mm	17 964 35
334-1100	5 mm	770 mm	960 mm	17 964 36
336-1100	8 mm	1098 mm	960 mm	17 964 86
332-1250	8 mm	568 mm	1100 mm	17 964 54
336-1250	8 mm	1098 mm	1100 mm	17 964 46
342-1250 / 342-1250 D	8 mm	568 mm	1100 mm	17 965 54
346-1250 / 346-1250 D	8 mm	1098 mm	1100 mm	17 964 46

#### Mounting plates

##### Series 000 / 100 – PVC

Cabinet type	Depth	Width	Height	Art.-No.:
58	8 mm	1270 mm	1050 mm	17 737 58
158	8 mm	1270 mm	610 mm	17 737 59

#### Mounting plates (\*)

##### Series – PVC

Cabinet type	Depth	Width	Height	Art.-No.:
371	5 mm	440 mm	700 mm	17 964 30
372	5 mm	575 mm	700 mm	17 964 31
374	5 mm	770 mm	700 mm	17 964 32
471	5 mm	440 mm	700 mm	17 964 30
472	5 mm	575 mm	700 mm	17 964 31
474	5 mm	770 mm	700 mm	17 964 32
476	8 mm	1098 mm	700 mm	17 964 33
150	5 mm	285 mm	640 mm	17 964 45
151	5 mm	385 mm	640 mm	17 964 48

#### Remark:

Deviant materials and counter thicknesses on request.

#### Fixing material for mounting plates

##### Series 400

DIN-Size 00 up to 2 17 965 33

##### Series 300

DIN-Size 00 up to 2 17 965 21

#### Base plates

##### Series 300

DIN-Size 00 79 910 75  
DIN-Size 0 79 910 76  
DIN-Size 1 79 910 77  
DIN-Size 2 79 910 78

#### Base plates

##### Series 400

DIN-Size 00 27 304 25  
DIN-Size 0 27 304 20  
DIN-Size 1 27 304 21  
DIN-Size 2 27 304 22

(\*) NOT to be retrofitted if the basic cabinet is not equipped with fixing studs by the manufacturer.

## ACCESSORIES

### Cabinets

#### Construction site openin

Cover PG 36	10 198 40
Cover PG 36 with 2 counternuts	17 538 01
Cover-ø 115 mm for CEE-plug	79 902 34

#### Holder for spare fuses

##### BR 300

for cabinet size 0 (max. 4 NH-fuses)	78 905 70
for cabinet size 1 (max. 6 NH-fuses)	79 905 71
for cabinet size 2 (max. 8 NH-fuses)	79 905 72

#### Holder for spare fuses

##### BR 400

for cabinet size 00 (max. 3 NH-fuses)	78 905 70
for cabinet size 0 (max. 4 NH-fuses)	78 905 71
for cabinet size 1 (max. 6 NH-fuses)	78 905 72
for cabinet size 2 (max. 8 NH-fuses)	78 905 73

#### Profile cylinder

Individual locking (incl. 3 keys)	10 123 89
Simultaneous locking (incl. 3 keys)	10 123 91
Half moon (without key)	10 123 90
Square (without key)	10 123 95
Dummy insert	10 123 88
Key for square locking cylinder	10 123 98

#### Pivoted lever

single locking (1Pz)	10 123 75
double locking (2Pz)	10 123 77
Protection cover (for profile cylinder)	10 123 84

#### Pocket for circuit diagram

DIN A4 (portrait format)	10 122 53
DIN A4 (landscape format)	10 122 54

#### Cabinet lighting

##### BR 300

with door-contact-switch + singlephase "Schuko"-socket	79 905 80
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#### Cabinet lighting

##### BR 400

with door-contact-switch + singlephase "Schuko"-socket	78 905 80
with door-contact-switch without "Schuko"-socket	78 905 81
with disconnectorswith + singlephase "Schuko"-socket	78 905 82

#### Ventilationset

Single side ø 100 mm (plastic)	78 905 90
Double side 100 mm x 150 mm (stainless steel painted)	78 905 91

#### Door check strap

For series 300 + 400	78 905 95
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#### Street lighting part

Plug-in door for sidewall (locking cylinder)	78 905 85
Plug-in door for sidewall (sash fastener triangular)	78 905 86

#### Temporary door ( Police-flap )

Plug-in door with frame upright 245 x 370 mm (locking cylinder)	10 196 56
Plug-in door with frame lateral 245 x 370 mm (locking cylinder)	10 196 68

## ACCESSORIES

### Cabinets

#### Busbar systems to be retrofitted E-Cu hole centre distance 100 mm

The busbar sets contain the required fixing material to install the busbars into the mentioned cabinets.

The maximum ampacity of the busbars represents at:  
30 x 5 mm = 420 A; 30 x 8 mm = 630 A; 40 x 10 mm = 850 A

During design of your cabinet the maximum acceptable power loss of the respective cabinet has to be considered. (see below)

Busbar-system	Busbar-dimensions	Type 401 / 471	Cu-weight [kg]	Type 402 / 472	Cu-weight [kg]
		Art.-No.:		Art.-No.:	
4-wire	30 x 5 mm	78 905 01	2,1	78 905 11	2,6
5-wire	30 x 5 mm	78 905 02	2,9	78 905 12	3,5
4-wire	30 x 8 mm	78 905 03	3,4	78 905 13	4,2
5-wire	30 x 8 mm	78 905 04	4,6	78 905 14	5,6
4-wire	40 x 10 mm	78 905 05	5,6	78 905 15	6,9
5-wire	40 x 10 mm	78 905 06	7,6	78 905 16	9,3

Busbar-system	Busbar-dimensions	Type 384 / 374	Cu-weight [kg]	Type 386	Cu-weight [kg]
		Art.-No.:		Art.-No.:	
4-wire	30 x 5 mm	79 905 21	3,4	79 905 31	5,3
5-wire	30 x 5 mm	79 905 22	4,3	79 905 32	6,8
4-wire	30 x 8 mm	79 905 23	4,1	79 905 33	8,5
5-wire	30 x 8 mm	79 905 24	6,9	79 905 34	10,9
4-wire	40 x 10 mm	79 905 25	9,1	79 905 35	14,1
5-wire	40 x 10 mm	79 905 26	11,4	79 905 36	18,0

Busbar-system	Busbar-dimensions	Type 404 / 474	Cu-weight [kg]	Type 406 / 476	Cu-weight [kg]
		Art.-No.:		Art.-No.:	
4-wire	30 x 5 mm	78 905 21	3,6	78 905 31	5,5
5-wire	30 x 5 mm	78 905 22	4,6	78 905 32	7,2
4-wire	30 x 8 mm	78 905 23	5,8	78 905 33	8,8
5-wire	30 x 8 mm	78 905 24	7,5	78 905 34	11,5
4-wire	40 x 10 mm	78 905 25	9,6	78 905 35	14,6
5-wire	40 x 10 mm	78 905 26	12,5	78 905 36	19,1

Busbar-system	Busbar-dimensions	Type 342	Cu-weight [kg]	Type 346	Cu-weight [kg]
		Art.-No.:		Art.-No.:	
4-wire	30 x 5 mm	79 905 41	2,4	79 905 51	5,3
5-wire	30 x 5 mm	79 905 42	3,1	79 905 52	6,8
4-wire	30 x 8 mm	79 905 43	3,8	79 905 53	8,5
5-wire	30 x 8 mm	79 905 44	4,9	79 905 54	10,9
4-wire	40 x 10 mm	79 905 45	6,4	79 905 55	14,1
5-wire	40 x 10 mm	79 905 46	8,2	79 905 56	18,0

Busbar-system	Busbar-dimensions	Type 381 / 371	Cu-weight [kg]	Type 382 / 372	Cu-weight [kg]
		Art.-No.:		Art.-No.:	
4-wire	30 x 5 mm	79 905 01	1,8	79 905 11	2,4
5-wire	30 x 5 mm	79 905 02	2,3	79 905 12	3,1
4-wire	30 x 8 mm	79 905 03	2,9	79 905 13	3,8
5-wire	30 x 8 mm	79 905 04	3,7	79 905 14	4,9
4-wire	40 x 10 mm	79 905 05	4,8	79 905 15	6,4
5-wire	40 x 10 mm	79 905 06	6,1	79 905 16	8,2

Maximum acceptable power loss  
in nkt cables CDC cabinets:

Type	max. P <sub>e</sub> [W]	Type	max. P <sub>e</sub> [W]	Type	max. P <sub>e</sub> [W]	Type	max. P <sub>e</sub> [W]	Type	max. P <sub>e</sub> [W]
401	810	471	810	381	795	342	1030	374	607
402	905	472	905	382	906	346	2137	332	692
404	910	474	910	384	912	371	795	334	969
406	1650	476	1650	386	1880	372	906	336	1436

#### Remark:

If parts of the busbar keeps unpopulated at cabinets with busbar systems it is recommended to cover them. Applicable cover plates see accessories.

\* deviant busbar sizes as well as 5-pole assembly on request respectively see accessories page 31



## ACCESSORIES

### Cabinets

#### LV HRC strip fuseways/

#### LV HRC strip fuse-switch-disconnectors NH00

All LV HRC strip fuseways/LV HRC strip fuse-switch-disconnectors NH00 are supplied with the following fixing material:

- ✓ Fuse strip with terminal compartment cover
- ✓ Clamps on the outgoing terminals
- ✓ Fixing screws to the busbars
- ✓ Depending on variation (4-/5-pole) one resp. two terminals for the N-, PE-/PEN-bar incl. fixing screw/s

Not included are adapters to mount the fuse strip on a standard usbar system with M12 screw nut and hole distance 100 mm. Adapter see accessories at the bottom of this page.

#### LV HRC strip fuseways NH00 for 185 mm Busbar-System

with V-shaped terminals up to 95 mm<sup>2</sup>se

Busbar-System 4-wire system	78 903 01
Busbar-System 5-wire system	78 903 02

#### LV HRC strip fuseways NH00 for 100 mm Busbar-System

with V-shaped terminals up to 95 mm<sup>2</sup>se

Busbar-System 4-wire system	78 903 11
Busbar-System 5-wire system	78 903 12

#### LV HRC strip fuse-switch-disconnectors NH00 for 185 mm Busbar-System

with V-shaped terminals up to 95 mm<sup>2</sup>se

1-pole switchable, Busbar-System 4-wire system	78 903 20
3-pole switchable, Busbar-System 4-wire system	78 903 21
1-pole switchable, Busbar-System 5-wire system	78 903 22
3-pole switchable, Busbar-System 5-wire system	78 903 23

#### LV HRC strip fuse-switch-disconnectors NH00 for 100 mm Busbar-System

with V-shaped terminals up to 95 mm<sup>2</sup>se

1-pole switchable, Busbar-System 4-wire system	78 903 30
3-pole switchable, Busbar-System 4-wire system	78 903 31
1-pole switchable, Busbar-System 5-wire system	78 903 32
3-pole switchable, Busbar-System 5-wire system	78 903 33

#### Accessories

#### for strip fuse NH00

Adapter strip for 2 strip busbar-system 100 mm	78 903 40
Adapter strip for 2 strip busbar-system 185 mm	78 903 41
Double terminal for N-/PE-Schiene	
(at 5-wire-system 2 pcs. are required)	78 903 42
Busbar cover 50mm	78 903 45

#### LV HRC strip fuseways/

#### LV HRC strip fuse-switch-disconnectors NH2 (NH3)

All LV HRC strip fuseways/LV HRC strip fuse-switch-disconnectors NH2 (NH3) are supplied with the following fixing material:

- ✓ Fuse strip with terminal compartment cover
- ✓ Clamps on the outgoing terminals
- ✓ Fixing screws to the busbars
- ✓ Depending on variation (4-/5-pole) one resp. two contact plates with terminals for the N-, PE-/PEN-bar incl. fixing screw/s

#### LV HRC strip fuse-switch-disconnectors NH2 for 185 mm Busbar-System

with V-shaped terminals up to 240 mm<sup>2</sup>se

1-pole switchable, Busbar-System 4-wire system	78 904 20
3-pole switchable, Busbar-System 4-wire system	78 904 21
1-pole switchable, Busbar-System 5-wire system	78 904 22
3-pole switchable, Busbar-System 5-wire system	78 904 23

with thread M12

1-pole switchable, Busbar-System 4-wire system	78 904 24
3-pole switchable, Busbar-System 4-wire system	78 904 25
1-pole switchable, Busbar-System 5-wire system	78 904 26
3-pole switchable, Busbar-System 5-wire system	78 904 27

#### LV HRC strip fuseways NH2 for 185 mm Busbar-System

with V-shaped terminals up to 240mm<sup>2</sup>se

Busbar-System 4-wire system	78 904 01
Busbar-System 5-wire system	78 904 02

with thread M12

Busbar-System 4-wire system	78 904 03
Busbar-System 5-wire system	78 904 04

#### LV HRC strip fuse-switch-disconnectors NH3 for 185 mm Busbar-System

with V-shaped terminals up to 240mm<sup>2</sup>se

1-pole switchable, Busbar-System 4-wire system	78 904 30
1-pole switchable, Busbar-System 5-wire system	78 904 31

#### Accessories

#### for strip fuse NH2

Busbar cover 100mm	78 904 45
Individual terminal shrouding cover for V-shaped terminal	
Set (3 pcs.)	78 904 40

#### Remark:

In standard practice nkt cables uses LV HRC strip fuseways and LV HRC strip fuse-switch-disconnectors from the company Pronutec. Fuse strips from other suppliers as well as other terminal designs on request.

## ACCESSORIES

### Pedestals

#### Construction site entry

PG 36	10 198 40
PG 42	10 198 41
PG 48	10 198 42
PG 36 with stress relief clamp	79 902 49
Closing-ø 115 mm for CEE-plug	79 902 34

#### Filling compound

Filling compound (bag 50 Liter)	10 067 35
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#### Cable-fixing-bar

Alu-L-Profile 40 x 40 x 5 mm

DIN-Size 00	17 856 35
DIN-Size 0	17 856 36
DIN-Size 1	17 856 37
DIN-Size 2	17 856 38
DIN-Size 3	17 856 39

#### Gridplate

made of plastic

DIN-Size 00	79 904 01
DIN-Size 0	79 904 01
DIN-Size 1	79 904 03
DIN-Size 2	79 904 04

#### Gridplate

made of steel (hot-dip galvanized)

DIN-Size 00	17 918 40
DIN-Size 0	17 918 40
DIN-Size 1	17 918 41
DIN-Size 2	17 918 42

#### Earthing plate

U-shaped (steel-galvanized)

DIN-Size 00	17 786 55
DIN-Size 0	17 786 55
DIN-Size 1	17 786 56
DIN-Size 2	17 786 57

#### Baseplate

for SN-pedestal (5 mm GRP)

DIN-Size 00	27 074 10
DIN-Size 0	27 074 11
DIN-Size 1	27 074 12
DIN-Size 2	27 074 13

#### Earthing-Set

(Gridplate / PEN)

Set for all DIN-Size	17 918 39
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#### Grounding connector 16 mm<sup>2</sup>

green/yellow

L = 1010 mm	(M12/M10)	75 925 00
L = 310 mm	(M12/M10)	75 926 00

#### Cable clamps

Steel (hot-dip galvanized)

PUK-Cable clamp K 32 (Cable-ø max 32 mm)	10 128 11
PUK-Cable clamp K 52 (Cable-ø max. 52 mm)	10 128 14

#### Threaded fastener

GRP (Glasfiber reinforced RAL 7035)

Threaded fastener M12 for pedestal SN	17 918 13
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#### Upper SN-base plate

(with opening for CEE-plug)

DIN-Size 00	27 064 61
DIN-Size 0	27 064 62
DIN-Size 1	27 064 63
DIN-Size 2	27 064 64

#### Tubular steel stand

with handhold for mobile use at construction site

(Alternative for standard base)

DIN-Size 00	27 065 91
DIN-Size 0	27 065 92
DIN-Size 1	27 065 93
DIN-Size 2	27 065 94
DIN-Size 3	27 065 95



## General Information

The application cabinets from **nkt cables** offer our customers a wide range of possibilities. By optimizing manufacturing techniques we are able to produce customized products in small manufacturing quantities.

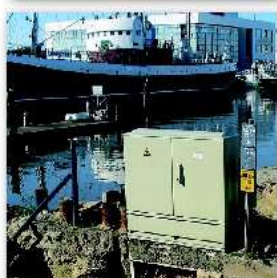
Even individual wiring and special built in components can be integrated into our standard production process and are not a challenge to our team. We can design, plan and build your complete switchboard and cabinets as well as dimension the wiring and components.

**nkt cables** has a long experience working with standard applications such as metering pillars, pump station cabinets, festival and market place cabinets, camp ground cabinets and even telecommunication cabinets.

We offer a wide range of accessories such as side entry doors, tubular metal stands and cabinet lightning solutions. In addition to customized versions we could offer a wide range of "off the shelf" solutions to suit most applications. These include standard circuits or equipment. A variation of these solutions can be found on the next few pages.

This is only a small selection from our large range of products. If you are not able to find an adequate solution for your application please do not hesitate to contact us – we will find the right solution for your needs.

### APPLICATION CABINETS





### Applications

#### Metering pillars

Metering pillars are particularly suitable for outdoor applications. Leisure facilities of all kind whether recreational- or other facilities, but also individual buildings could be metered by the **nkt cables GmbH** metering pillars.

The advantage compared to a conventional house supply is the free access for utility and operator.

Metering pillars have to be in accordance with the technical specifications of the utility company. The essential parts are the feeding zone, the lower and upper connecting area, the metering place (s) and the space for tariff control devices (TSG). The pillars are wired up completely whereas the TSG panel could, depending on customers' request, be either unwired, partial- or completely wired up.

The pillars are available in single meter, multimeter and CT-meter versions.



#### Street lighting pillars

With the street lighting pillars the same cabinet technology is going to be used as for the metering pillars.

The utility section of the street lighting pillar equates in principal always to the setup of the metering pillar of the relevant utility region. Within the control mode it is on principle distinguished between direct switching and stepping, whereas the direct switching always contains the connections for stepping.

Preferential the cabinet type KH374 is used for this application but also all other types could be used depending on application. Furthermore it is differentiated between night-, half-night and half-night switching with power reduction.

The outgoing side could be equipped with 2, 4, 6 or 8 outlets. But also other configurations are possible on agreement.



#### Traffic control cabinets

Each signaling system is electronic controlled and precisely these modern and sensitive computer-controlled devices require particular protection.

Of particular importance is the availability of a wide range of accessories.

In order to e.g. manually switch to yellow light after an car accident, the police required a separate access to the cabinet: the police flap. Via this, the basic settings could be programmed through this extra access point without offering the possibility to readjust the computer setting accidentally. Temperature controlled and ventilated cabinets provide an well-balanced and dehydrated climate. Double locking systems, wiring diagram holder and internal cabinet lighting put the finishing touch to the wide range of accessories.



## Applications

### Market- and Fairground cabinets

Without current flowing, no party, without energy no cold beer. This applies since three phase power supplies are required more and more for fairs and carnivals.

Market- & fairground cabinets from **nkt cables GmbH** could be customized and equipped individually.

In consequence of our wide range of accessories new and clever solutions move into the distribution technology. So by the use of a festival-entry an additional cable could easily be connected without disconnecting the plug from the cable or re-tailoring. The cable with plug could easily be pushed through the festival-entry and connected to the socket inside the cabinet. A sliding mechanism secured with a knurled-head screw at the festival-entry provides that no unauthorized people or objects get access to the inside of the cabinet.



### Marina- and Campground cabinets

The marina- and campground cabinets are available in a large variety of designs with plugs fitted at the outside of the cabinet or behind the lockable door. With the protection degree of either IP44 or IP54 also extreme climate conditions could be coped.

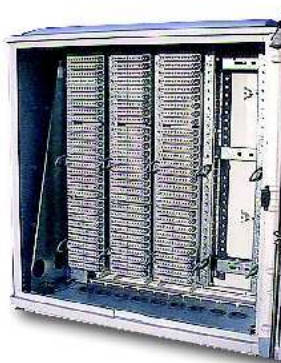
The marina- and campground cabinets could be supplied, depending on customer requests, either with or without meter. Optional varnishing increases the resistance against UV radiation if located close to the reflecting sea.



### Communication cabinets

If equipped with LSPplus blocks, 19" racks, splice boxes for fibre optic networks or metal frames for cable-TV applications, our large range of cabinets offers space and set for more or less all kind of applications in the communication sector.

For cabinets covering electronic components with high power losses we offer solutions with active or passive cooling systems. Needless to say that we also have got a wide range of cabinet heating in our portfolio to always achieve the optimal climate for your components.





### Applications

#### Media cabinets

Not only electrical power, also gas, water and communication cables require a fitting enclosure. **nkt cables GmbH** develops and manufactures solutions for all types of media, also in combination. In the FourOne-technology even all media ( electricity, water, gas and telecom ) are combined into one cabinet. The feeding of all the individual media is optimized and the end customer valuable space.

Not only space, also building costs could be minimized due to that with this technology the "technique" is going to be installed outside of the flat or office building. The utility has got free access to read out the meters without entering the building and without the limitation to be depending on the end customer being at home to read out the meter.

Media cabinets also offer the possibility of very flexible connections if buildings are going to be modified, renewed or renovated. May be the case e.g. in allotment sites or buildings with high fluctuation. Due to that media cabinets with its supplies being a fixed point, it allows his surrounding to adapt to changing requirements without moving or even cut the main supplies. The disconnecting or shutoff is going to be carried out in the media cabinet.



#### EMC-cabinets

With the increasing demand of more and more complex electronic components being build into cabinets, also the demand of cabinets offering EMC protection is increasing. At **nkt cables GmbH** cabinets and pillars, which are produced out of insulating and nonconductive GRP (glasfiber reinforced polyester) material, this EMC protection could be achieved by a conductive varnishing (copper based) at the inside of the cabinet combined with a metallic gasket system.

So the function of a faraday cage could also be provided at a lightweight and double insulated cabinet made of GRP material.



#### Advertising cabinets

By an advertising cabinet a grey distribution cabinet becomes attractive urban furniture. The functionality and usability of the switch cabinet is not going to be affected, the operational area could be used without reservation.

Easy handling is provided by separate access for "technique" and professional advertisement. The back-illuminated advertising space in format A0, which could be carried out either single side or double side, could not only be used for advertisement. In evening hours or in the darker season the additional illumination could also be used to round off the existing street lighting.





## Applications

### CT-metering pillars

Larger consumers could technical wise not be metered via direct counters, above 63 or 100 Amp it requires metering via current transformers.

There are two principal ways for these cabinets. Measurement and metering section within one cabinet, this is the most popular way, or having two cabinets side-by-side to cover switching, CT- and metering area.

The wide range of available pillars covers 4-wire and 5-wire systems as well as applications for photovoltaic applications.

The CT-metering could either be carried out in pillar or cabinet version of our enclosure range.



### House service pillars

House service pillars are a perfect alternative to a standard HSB (house service box) if limited space conditions within a building e.g. missing cellar or small public services connection room pretend an alternative solution.

A house service pillar offers a perfect shelter for a HSB or fuse disconnecter to be located outdoor.

The outdoor installation of the HSB allows an easy access for the utility but as well as for the fire brigade to disconnect a building before using water hoses.

House service pillars could be equipped with KH00 or KH1 HSBs as well as with lead-sealable fuse disconnectors or fuse strips for higher power requirements.



### Photovoltaic cabinets & pillars

The increasing number and size of photovoltaic "power plants" demands a safe grid connection as well as for adequate metering solutions.

Photovoltaic cabinets are available in a huge variety. Starting with a basic cabinet for terminals and disconnect switch and ending with a dual-CT-metering version to feed the grid from a large photovoltaic farm and parallel supplying to a bigger consumer e.g. a production plant from the grid.

Customized solutions for your renewable power supply shall not be a problem with the wide range of **nkt cables GmbH** cabinets. Within the 41 different frame sizes also "the" cabinet for your application could be found.



### Applications

#### eMobility

Diminishing resources of fossil fuels results in a focus on renewable energies and also a change in how we use private vehicles. Within the next few years the number of electric driven cars is going to increase dramatically.

The car owners of these eMobility cars will have a huge demand on filling stations. This will be public filling stations – e.g. at car parks, supermarkets and shopping centers – as well as private versions in their garages or carports.

**nkt cables GmbH** as one of the leading manufacturers of distribution cabinets for outdoor applications has developed the emB (eMobility box) filling stations.

The emB contains a HSB (house service box) as predefined interconnection point between the utility grid and the “end-user” application.

For fueling the emB could offer all types of connecting plugs, one- and three-phase, depending on customer request. Also future changes in plug technology could be integrated into the intelligent design.

Not having a national or international standard for the accounting system the emB offers the flexibility to integrate several common systems on request.



#### Construction site cabinets

Even the smallest construction site is barely conceivable without a power supply. Construction workers require supplies for their cranes, cement mixers and other equipment to facilitate their job.

**nkt cables GmbH** offers a wide range of main distribution cabinets for construction sites. The cabinets/pillars are available in mobile or temporarily-dig-in versions. Temporarily-dig-in means that the cabinet is handled as a standard pillar but replaced after the construction site is finalized and then reused at the next site.

The modular design of the GRP enclosures combines the two advantages of double insulation and the ability to replace single parts of the cabinet e.g. side wall or door if it gets damaged during the hard use at site. This offers a main cost saving compared to a welded metal cabinet which has to be replaced completely if getting damaged.



#### Other applications

The above mentioned versions cover only a small part of possible fields of application.

GRP cabinets could be used in more or less all fields of distribution, industry, transportation and communication just to name a few of them.

Within the last more than 50 years **nkt cables GmbH** developed and designed cabinets and pillars for all kind of applications. Starting with cabinets for garden irrigation via cabinets for pumps in sewage treatment plants to cabinets for points heating in railway tracks, there is a countless number of possible applications for our cabinets and in quite a lot of them we have had possibility to. If you haven't been able to identify the appropriate solution for your application so far, please contact us to enable us to submit you a proposal.



## House service boxes

### History of house service boxes

In the 1920's, F & G as the predecessor of today's **nkt cable GmbH** developed and manufactured in Germany the first cast iron, house service box.

Continuous development of both material and design, enabled F & G in the 1960's to produce the first glass fibre (GRP) house service box.

nkt cables today is among the leading manufacturers of house service boxes and cable distribution cabinets in Germany.

### Type

Within the range of house service boxes we are talking about two principal types:

- KH00 – for NH00-fuses (special versions possible)
- KH1 – depending on design either for NH1- or NH2-fuses (special versions possible)

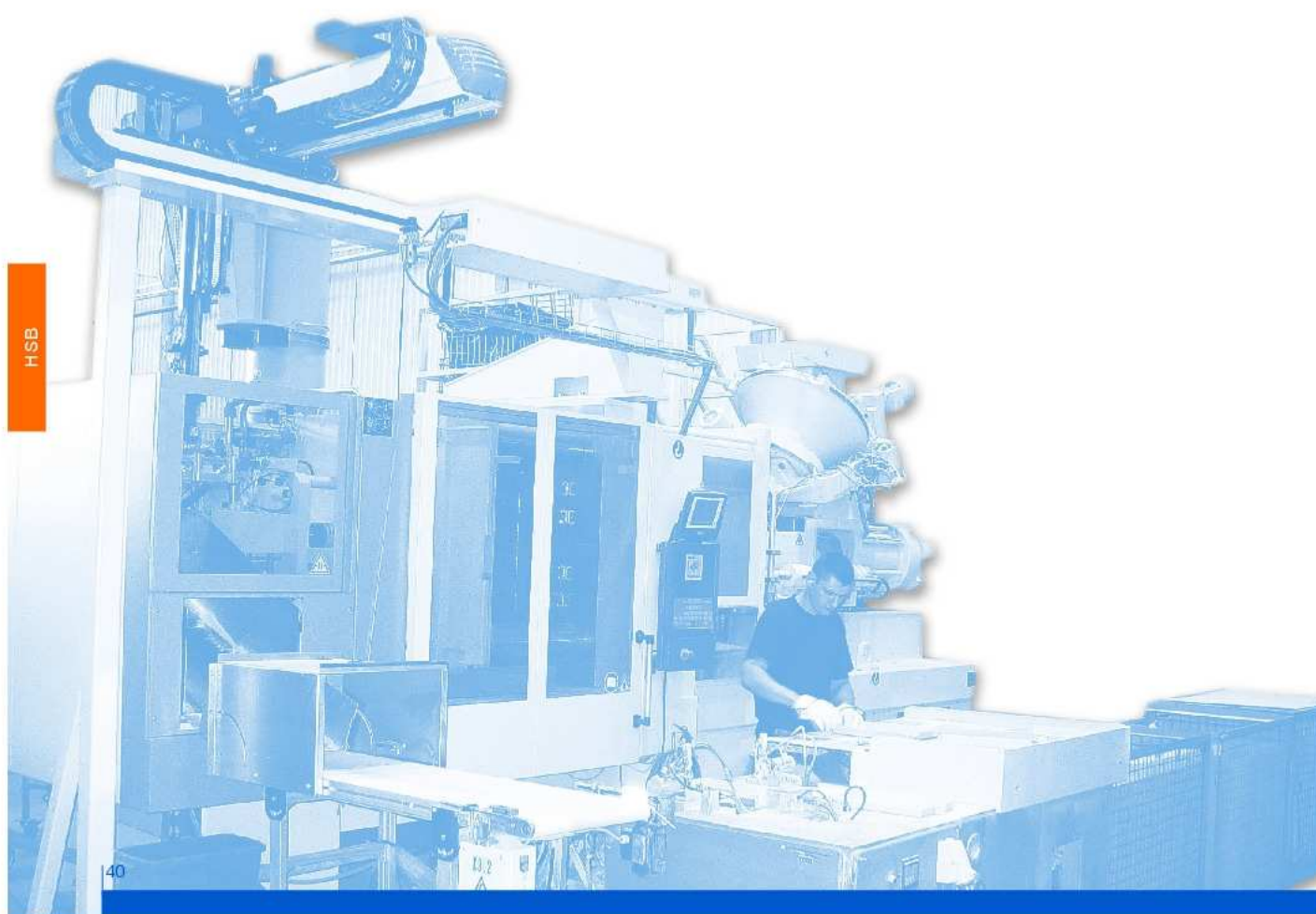
All house service boxes are confirm to DIN 43627 as well as to DIN VDE 0660-505.

In addition there is a wide range of accessories available for these types. Especially for the KH00-version **nkt cables GmbH** offers a wall mounting frame in different variants.

### Raw material

The parent material for the boxes is glass fiber reinforced polyester resin. (BMC – Bulk Moulded Compound)) This material is noncorrosive, insulating and very resistant against mechanical stress. The technical data of the raw material could be taken from the talbe below.

Specific gravity	DIN 53 479	1,65 ... 1,75 g/m³
Tensile strength	DIN 53 455	≥ 60 N/mm²
Bending strength	DIN 53 452	160 ... 180 N/mm²
Impact strength	DIN 53 453	≥ 50 kJ/m²
Notched impact resistance	DIN 53 453	74 kJ/m²
Water absorption storage for 4 days at room temperature	DIN 53 495	≥ 60 mg
Dimensional stability acc. to Martens	DIN 53 458	≥ 200 °C
Thermal conductivity coefficient	DIN 53 612	0,35 W/m-K
Combustibility	DIN 53 459	Stage 2a
Low temperature stability		-80 °C
Dielectric strength	DIN 53 481/VDE 0303 T.2	40 kV/mm
Tracking resistance	DIN 53 480	KC > 600
Termite resistance		Good
Light resistance	DIN 53 383	7 ... 8 (stage)
Colour shade		Gray RAL 7035





### House service boxes KH00 up to 100 A

#### KH00 – for NH00-fuses (special versions possible)

House service box acc. to DIN 43627. Casing made of BMC polyester resin Typ 803, EN 14598-3 (DIN 16911). Type test report acc. to DIN VDE 0660 part 505 is available. The requirements according to degree of protection IP54 (EN 60529) are fulfilled.

**Within the primary enclosure (KH00) there is a distinction into two different models.:**

The standard-box has got a cable bushing at the top as well as a blind insertion at the left and right side. At the bottom end the enclosure offers either one or two cable bushings

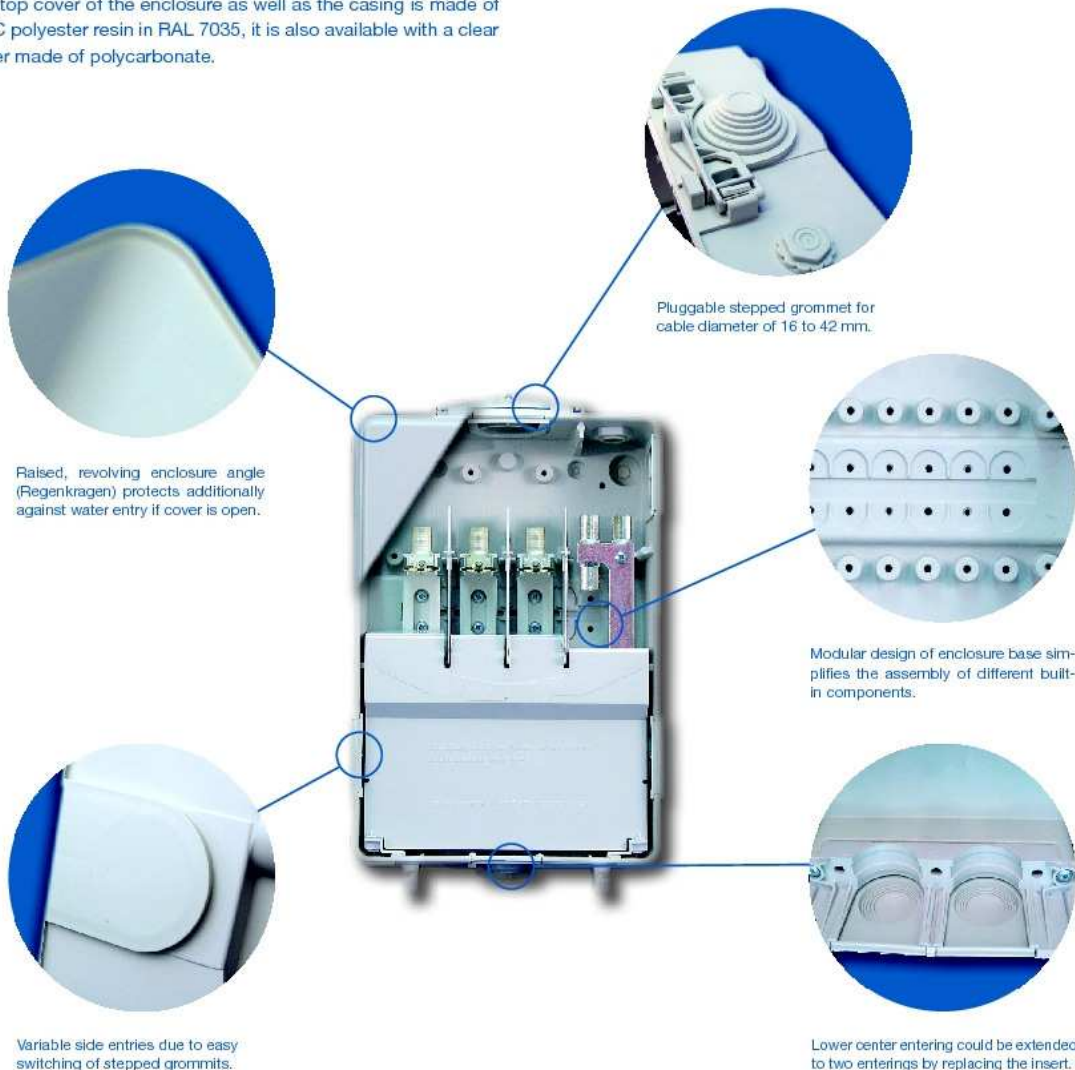
The outdoor enclosure ("Regenkragen-HAK") is completely closed at the top and side walls and offers two cable bushings at the bottom. Dimensions and the modular enclosure bottom are identical with the KH00.

The top cover of the enclosure as well as the casing is made of BMC polyester resin in RAL 7035, it is also available with a clear cover made of polycarbonate.

Within the shock-proof protection covers you could choose between a "utility cover" and a slidable complete cover (RAL7035) is going to be positioned and sealed over the feeding area after the feeding cable has been installed. If the HSB is going to be operated it will be replaced again and parked within the cover. The slidable complete cover is transparent and covers the utility area as well as the consumers area.

It is possible to slide the upper part above the fuse area and seal it in this position.

The modular base of the enclosure enables to implement different build-in versions. This property also takes advantage if the enclosure is going to be used empty for other applications.



## House service box KH00 up to 100 A

### HSB 1 x 3 x NH00

#### HSB 1 x 3 x NH00 Standard

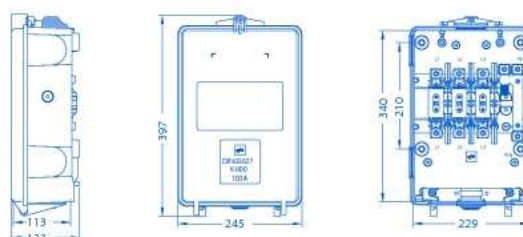
- ✓ Feeding and outgoing Steel cable connection terminal 10 to 95 mm<sup>2</sup>
- ✓ Feeding at bottom, outgoing at the top
- ✓ Additional outgoing for equipotential bonding at upper right side
- ✓ Locking screw 8 mm square, slotted

##### Cover grey

Utility cover,	PEN-2 outgoing	27 510 15
Utility cover,	PEN-3 outgoing	27 510 16
Slidable complete cover,	PEN-2 outgoing	27 510 26
Slidable complete cover,	PEN-3 outgoing	27 510 45

##### Cover transparent

Slidable complete cover,	PEN-2 outgoing	27 540 26
Slidable complete cover,	PEN-3 outgoing	27 540 45



#### loop-wire-lead HSB

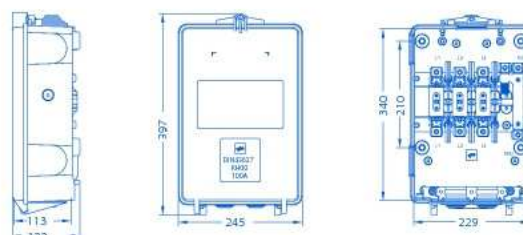
- ✓ Feeding double steel cable connection 2 x 10 to 50 mm<sup>2</sup>
- ✓ Outgoing steel cable connection 10-95 mm<sup>2</sup>
- ✓ Feeding at bottom, outgoing at the top or side left / right
- ✓ Additional outgoing for equipotential bonding at upper right side
- ✓ Locking screw 8 mm square, slotted

##### Cover grey

Utility cover,	PEN-2 outgoing	27 520 02
Utility cover,	PEN-3 outgoing	27 520 03
Slidable complete cover,	PEN-2 outgoing	27 520 12
Slidable complete cover,	PEN-3 outgoing	27 520 04

##### Cover transparent

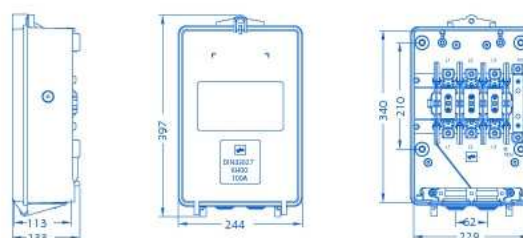
Slidable complete cover,	PEN-2 outgoing	27 542 12
Slidable complete cover,	PEN-3 outgoing	27 542 04



#### Outdoor version

- ✓ No feedings and outgoing at top / left / right possible
- ✓ Feeding steel cable connection 10 to 95 mm<sup>2</sup>
- ✓ Outgoing steel cable connection 10 to 95 mm<sup>2</sup>, PEN 2 x 10 to 50 mm<sup>2</sup>
- ✓ Feeding bottom right, outgoing bottom left,
- ✓ Slidable complete cover, cover grey

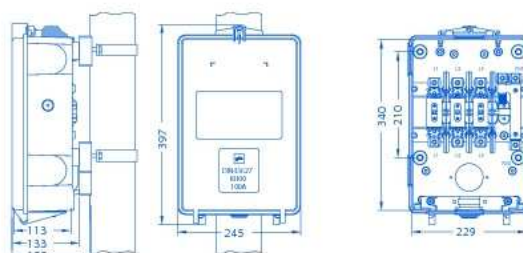
Locking screw 8 mm square, without slott	27 526 02
Locking screw 8 mm square, without slott	27 526 03
+ Additional preparation for cylinder lock	27 526 03



#### HSB KH00 with overhead line adapter

- ✓ Feeding and outgoing Steel cable connection terminal 10 to 95 mm<sup>2</sup>
- ✓ Feeding from rear, outgoing at the top
- ✓ Additional outgoing for equipotential bonding at upper right side
- ✓ Locking screw 8 mm square, without slott
- ✓ Overhead line adapter as equipment pack

Incl. adapter flat conductor 16 mm <sup>2</sup>	27 553 05
Incl. adapter flat conductor 25/35 mm <sup>2</sup>	27 553 17





## House service box KH00 up to 100 A

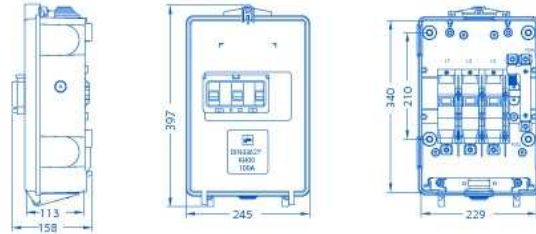
### Special versions

#### HSB 1 x 3 x NH00 with main MCBs 63 A

- ✓ Feeding and outgoing Steel cable connection terminal 10 to 95 mm<sup>2</sup>
- ✓ Outgoing with block terminal from main MCB
- ✓ Additional outgoing for equipotential bonding at upper right side
- ✓ Feeding at bottom
- ✓ Outgoing at the top or side left / right
- ✓ Locking screw 8 mm square, without slott

Cover grey

27 553 20



#### HSB 2 x 3 x NH00 63 / 50 A

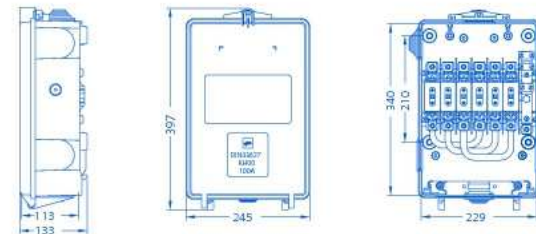
- ✓ Feeding and outgoing Steel cable connection terminal 10 to 95 mm<sup>2</sup>
- ✓ Feeding at bottom (with Adapter from the rear),
- ✓ Outgoing at the top or side left / right
- ✓ Additional outgoing for equipotential bonding at upper right side
- ✓ Locking screw 8 mm square, without slott

Standard, up to 63A

27 553 14

Incl. overhead line adapter (16-35 mm<sup>2</sup>) up to 50A

27 553 15

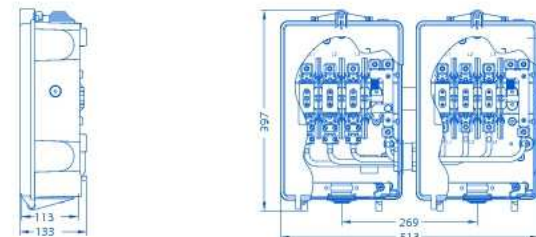


#### HSB 2 x 3 x NH00 special 100 A

- ✓ Feeding with Block terminals 10 to 70 mm<sup>2</sup>
- ✓ Feeding and outgoing Steel cable connection terminal 10 to 95 mm<sup>2</sup>
- ✓ Feeding at bottom
- ✓ Outgoing at the top
- ✓ Additional outgoing for equipotential bonding at upper right side
- ✓ Locking screw 8 mm square, without slott per box

Slidable complete cover, cover grey

27 553 03

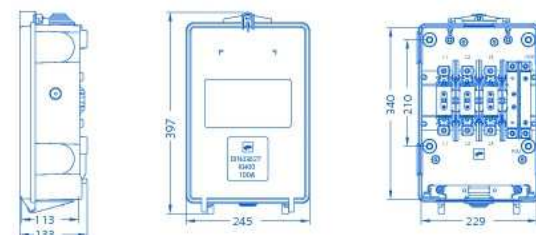


#### HSB 1 x 3 x NH00 , 5-pole

- ✓ Earth and neutral separated
- ✓ Feeding and outgoing Steel cable connection terminal 10 to 95 mm<sup>2</sup>
- ✓ Outgoing earth (PE) double steel cable connection 2 x 10 to 50 mm<sup>2</sup>
- ✓ Feeding at bottom
- ✓ Outgoing at the top or side left / right
- ✓ Additional outgoing for equipotential bonding at upper right side
- ✓ Locking screw 8 mm square, without slott

Slidable complete cover, cover grey

27 553 31



#### KH00 empty

- Box with feeding and outgoing possibility top / bottom / left / right
- With Locking screw 8 mm square, without slott
- With Locking screw 8 mm square, without slott and additional preparation for cylinder lock

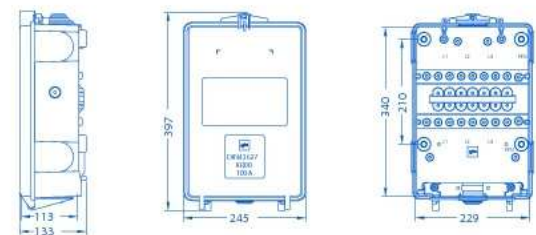
27 513 01

27 513 04

- Box without feedings and outgoing at top / left / right possible
- Two feedings at the bottom

- With Locking screw 8 mm square, without slott and additional preparation for cylinder lock

27 526 99





## Flush mounting frame

### Wall sleeve with cover frame and plug-in door in wall-/flush-mounting-version

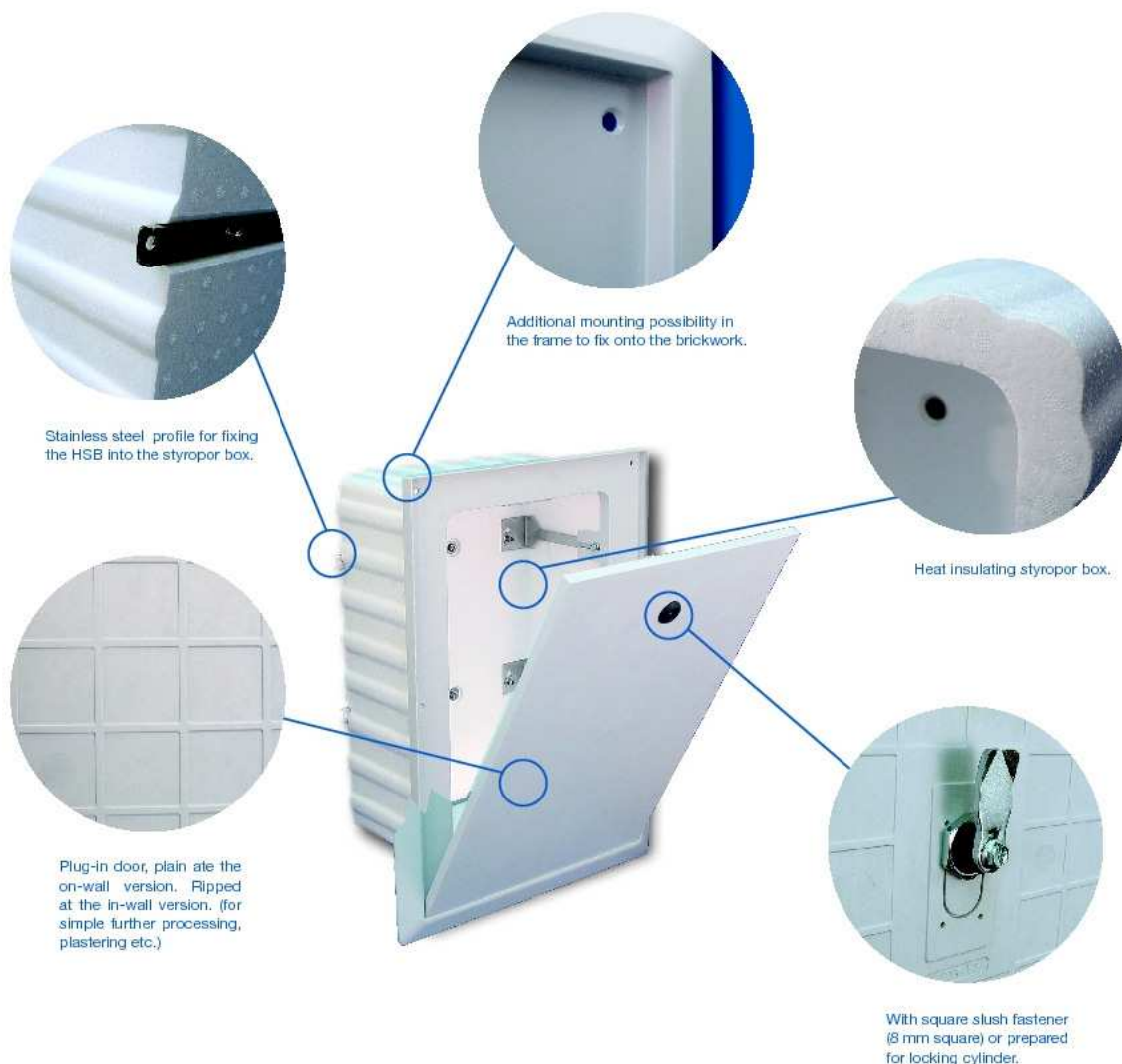
Flush mounting frame to cover KH00-house service boxes. All flush mounting frames consist of a heat-insulating built-in box, a stainless steel frame and a cover frame with plug-in door made of BMC polyester resin (RAL 7035) (on request to be coated in all RAL colours). For the frames you could choose from two different variations.:

#### On-wall frame (raised)

At this variation the built-in box is inserted flush into the brickwork and the frame is attached onto the brickwork afterwards.

#### In-wall frame (recessed)

Also here the the built-in box is inserted flush into the brickwork. Also the frame is inserted flush into the brickwork. The plug-in door could be pasted with quarter bricks or plastered. So the flush mounting frame gets integrated into the brickwork more or less invisible.



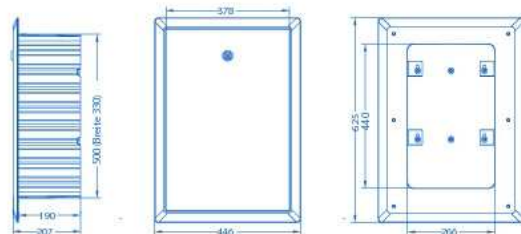
## Flush mounting frame for HAK KH00

### On-wall frame (raised)

- ✓ Flush mounting wall sleeve with **On-wall frame (raised)**
- ✓ Built-in box heat insulated made of styropor
- ✓ Suitable for nkt cables house service boxes KH00
- ✓ as well as for all HSBs NH00 acc. to DIN 43 627

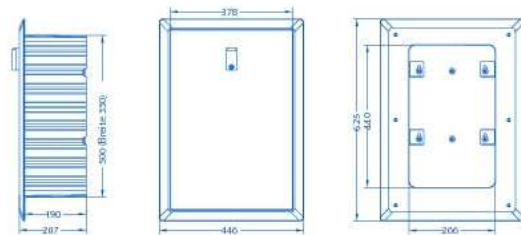
Square slush fastener

27 561 50



As above but prepared for  
locking cylinder

27 561 51

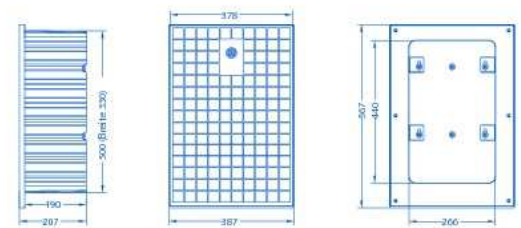


### In-wall frame (recessed)

- ✓ Flush mounting wall sleeve with **In-wall frame (recessed)**
- ✓ Built-in box heat insulated made of styropor
- ✓ Suitable for nkt cables house service boxes KH00
- ✓ as well as for all HSBs NH00 acc. to DIN 43 627

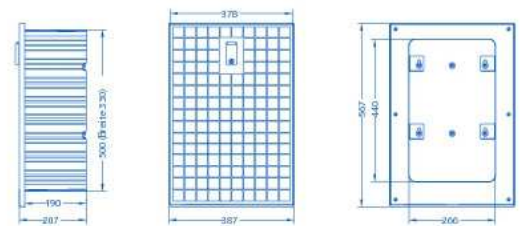
Square slush fastener

27 561 60



As above but prepared for  
locking cylinder

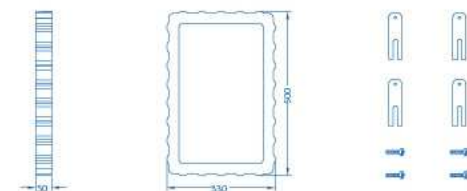
27 561 61



### Adjusting set 50 mm

The frame could be adjusted up to 30 mm in standard. Should this, for different reasons, not be sufficient (e.g. subsequent heat insulation) an additional 50 mm adjustment is possible.

27 561 40



#### Remark:

On request flush mounting frames could also be supplied complete with pre-installed HSB. The fitting locking cylinders could be found in the accessories section.

## House service box KH1

### KH1 – for NH1/2-fuses (special versions possible)

House service boxes acc. to DIN 43627.

Box body and cover are made of polyester resin type 803, EN 14598-3 (DIN 16911) in colour RAL 7035. Type test report acc. to DIN VDE 0660 part 505 is available. The requirements according to degree of protection IP54 (EN 60529) are fulfilled.

On request the cover could be equipped with a transparent window in the area of the fuse inserts.

The cover is locked by two locking screws 8 mm square (slotted), sealable.

The box offers a huge number of cable entry glands. Non required enterings could be covered by blind grommets.

#### Max. number of inlets:

Two cable entries at the bottom and one each from the left and right lower side with cable fixing clamps. Three cable outlets at the top and one each to the upper left and right.

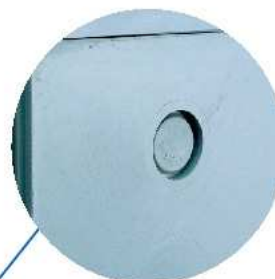
In addition to this there is a large number of pre-cut holes where PG16/M20 cable glands could be fitted subsequent.

Utility cover respectively protection cover are made from transparent polycarbonat, sealable.

The KH1-HSB (house service box) is tested and approved up to a peak load of 400A and constant load of up to 355A.



Three possible positions for cable entry at the top via stepped grommets.



Several pre-cut holes enable an easy fixing of additional PG cable glands if required.



Applicable for cable fixing clamps at all lower plug-in modules.



Screwed cover fixing (easy replacement) allows unhinging of the top cover in 15°-position.



Two possible positions for incoming cables at the bottom.



## House service box KH1/2 up to 400 A

### HSB NH 1/2

#### HSB 1 x 3 x NH2 standard up to 400A

- ✓ Sealable covers for primary clamp- and connecting area made from polycarbonat, transparent
- ✓ Locking screw 8 mm square, with slott
- ✓ Cable entry via pluggable gland up to 54 mm from the bottom or the lower left or right side.
- ✓ Cable outlet via pluggable gland up to 54 mm at the top or upper left or right side.

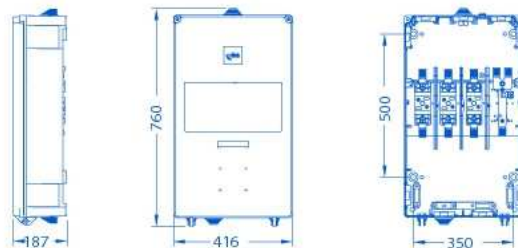
##### Cover standard

Feeding and outgoing via V-shaped cable connection terminals 50-240 mm<sup>2</sup>se  
PEN 1 outgoing + 1 terminal 10-95 mm<sup>2</sup> for equipotent. bonding 27 102 14  
Identical in construction but with PEN 2 outgoing + additional terminal 27 102 62

Feeding and outgoing via block terminals 25-150 mm<sup>2</sup>se  
PEN 1 outgoing + 1 terminal 10-70 mm<sup>2</sup> for equipotent bonding 27 102 07

##### Cover with transparent window

Feeding and outgoing via V-shaped cable connection terminals 50-240 mm<sup>2</sup>se  
PEN 1 outgoing + 1 terminal 10-95 mm<sup>2</sup> for equipotent bonding 27 102 17

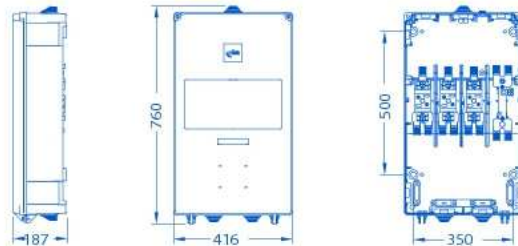


#### HSB 1 x 3 x NH2 loop-wire-lead HSB up to 400 A

Equiped as standard up to 400A, but with  
2 inputs (for loop-wires, respective. for double-inputs)

Feeding and outgoing via V-shaped cable connection terminals 50-240 mm<sup>2</sup>se  
PEN 2 outgoing + 1 terminal 10-95 mm<sup>2</sup> for equipotent bonding 27 102 94

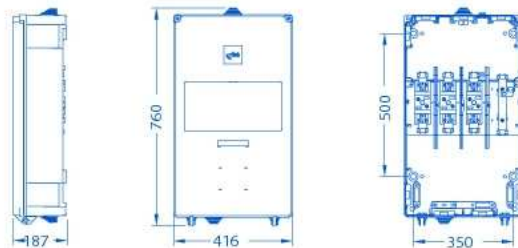
Feeding and outgoing via block terminals 25-150 mm<sup>2</sup>se  
PEN 1 outgoing + 1 terminal 10-70 mm<sup>2</sup> for equipotent. bonding 27 102 08



#### HSB 1 x 3 x NH1 up to 250A

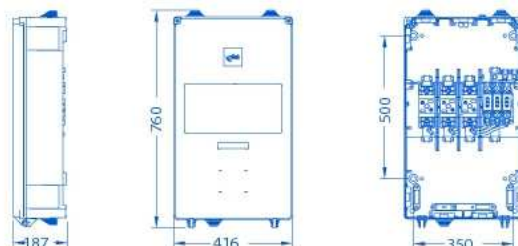
Equiped as standard up to 400A, NH-fuse bases  
only for NH1 up to 250A

Feeding and outgoing via block terminals 25-150 mm<sup>2</sup>se  
PEN 1 outgoing + 1 terminal 10-70 mm<sup>2</sup> for equipotent. bonding 27 101 07  
Identical, but as loop-wire-lead HSB (2 incomings) 27 101 08



#### HSB 1 x 3 x NH 2 + 1 x 3 x NH00

- ✓ Equiped as standard up to 400A, but with 1 outgoing NH2 up to 300 A
  - ✓ 1 outgoing NH00 up to 100A
  - ✓ Feeding via block terminals 25-150 mm<sup>2</sup>
  - ✓ Outgoing NH2 block terminals 25-150 mm<sup>2</sup>
  - ✓ Outgoing NH00 block terminals 10-50 mm<sup>2</sup>
  - ✓ PEN 1 outgoing block terminals 25-150 mm<sup>2</sup>
  - ✓ PEN 2 outgoing block terminals 10-50 mm<sup>2</sup> 27 102 43
- Identical, but feeding via V-shaped cable connection terminals  
50-240 mm<sup>2</sup>se 27 102 81



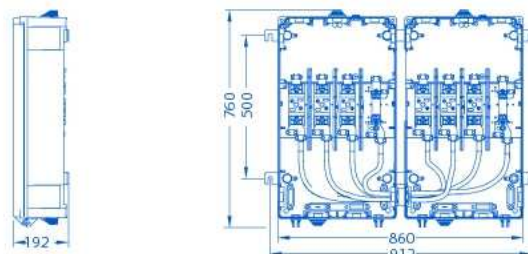
## House service box KH1/2

### HSB NH 1/2

#### HSB 2 x 3 x NH2 special 350A

- ✓ Equiped as standard up to 400A, but two boxes side by side screw fixed on carrier rail,
- ✓ internally pre-wired (120 mm<sup>2</sup>cu)
- ✓ additional possibility for loop-wire connection
- ✓ Feeding and outgoing via back terminals 25-150 mm<sup>2</sup>se

PEN 1 outgoing + 1 terminal 10-70 mm<sup>2</sup> for equipotent. bonding 27 100 80



#### HSB 2 x 3 x NH00

- ✓ Sealable covers for primary clamp- and connecting area made from polycarbonat, transparent
- ✓ Locking screw 8 mm square, with slott
- ✓ Cable entry via pluggable gland up to 54 mm from the bottom or the lower left or right side.
- ✓ Cable outlet via pluggable gland up to 54 mm at the top or upper left or right side.

Feeding via back terminals 25-150 mm<sup>2</sup>se

Outgoing NH00 back terminals 10-50 mm<sup>2</sup>

PEN 3 outgoing via back terminals 10-50 mm<sup>2</sup> 27 100 07

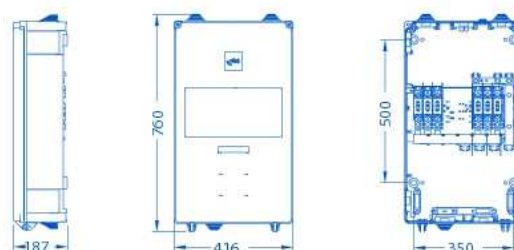
Identical, but as loop-wire-lead HSB (2 incomings) 27 100 08

Feeding via V-shaped cable connection terminals 50-240 mm<sup>2</sup>se

Outgoing NH00 steel cable connection terminal 10 to 95 mm<sup>2</sup>

PEN 5 outgoing steel cable connection terminal 10 to 95 mm<sup>2</sup> 27 100 17

Identical, but as loop-wire-lead HSB (2 incomings) 27 100 20



#### HSB 3 x 3 x NH00

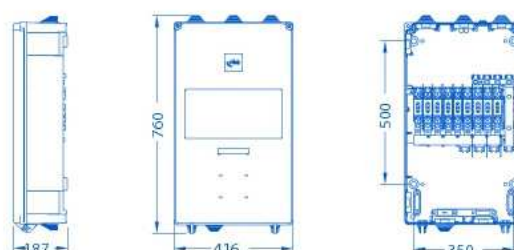
- ✓ Equipped as wie 2 x 3 x NH00, but with 3 units (3 x 3 x NH00)

Feeding via back terminals 25-150 mm<sup>2</sup>se

Outgoing NH00 back terminals 10-50 mm<sup>2</sup>

PEN 4 outgoing via back terminals 10-50 mm<sup>2</sup> 27 100 57

Identical, but as loop-wire-lead HSB (2 incomings) 27 100 58



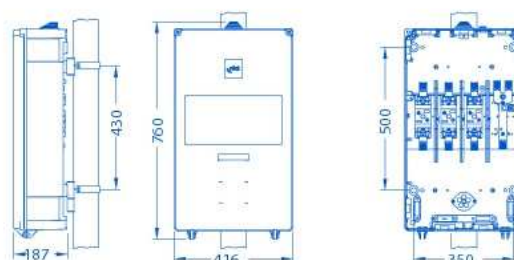
#### HSB KH1 with overhead line adapter

- ✓ To be used at overhead line tower 3 / 3,5 Zoll
- ✓ Overhead line adapter pre-assembled
- ✓ Feeding from rear, for single conductor up to 50 mm<sup>2</sup>

HSB 1 x 3 x NH2, (identical in constr. to 27 102 07) incl. adapter 27 202 51

HSB 2 x 3 x NH00, (identical in constr. to 27 100 08) incl. adapter 27 100 30

HSB NH2 + NH00, (identical in constr. to 27 102 43) incl. adapter 27 202 52



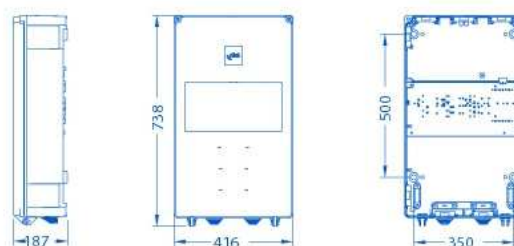
#### KH1 empty

- ✓ Box with feeding and outgoing possibility 3 x top, 2 x bottom, 2 x left side, 2 x right side
- ✓ Incl. 2 sliders up to 54 mm (extendable)

Locking screw 8 mm square, with slott 27 100 97

With additional preperation for cylinder lock and

5-mm-mounting plate 350 x 530 mm 27 100 98

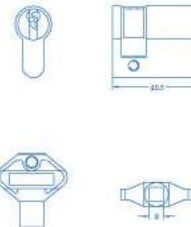


## ACCESSORIES

### House service boxes

#### Overall

Locking cylinder (incl. 3 keys)	
Simultaneous locking	10 123 91
Individual locking	10 123 89
Key square 8 mm	
Suitable for all HSBs with square lock 8 mm	10 123 98



#### KH00

Retrofit kit large	
Metal carrier for cable feeding from the rear	
With strain relief clamp, fitting for all standard-HSBs NH00 (nkt)	27 560 21



Retrofit kit small	
Additional grommet, for using a side entry for feeding	27 560 20



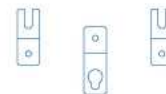
Fire prevention plate (fibersilicate)	
Support plate if HSBs NH00 are going to be fixed onto inflammable building materials, e. g. wood	
Dimensions in mm (W/H/D) 550/710/20	17 726 50



Overhead line adapter	
for mounting of a standard-HSB NH00 (nkt cables) on overhead line tower 3 resp. 3,5 Zoll	
For flat conductor 16 mm <sup>2</sup>	17 901 84
For flat conductor 25/35 mm <sup>2</sup>	17 901 85
For single conductor up to 50 mm <sup>2</sup>	17 901 88



Outside fastening set	
3-point-outside fastener	
(bottom left/right, top centered)	27 560 50



Standard-slider NH00	
max. 48 mm diameter (stepped grommet)	
suitable for all upper and side entries	27 592 01



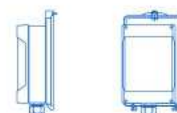
Standard-bushing NH00	
max. 40 mm diameter (stepped grommet)	
suitable for all bottom entries	27 592 50



PG36 slider NH00	
Slider with cable gland PG36 fitting for all upper and side entries	27 592 06



Construction site top frame	
KH00-cover with additional box for piggyback fuses or measuring devices	
cable outgoing PG36	27 038 98





## ACCESSORIES

### House service boxes

Fixing set main masts

Retaining bracket and two stain-less steel bands for fixing of a HSBs NH00 (nkt cables) onto a wooden mast, etc. (Ø up to 600 mm)

17 901 70



Terminal sets

Steel cable connection terminals 10 – 95 mm<sup>2</sup>

Set 4 pcs.

17 687 61

Set 5 pcs.

17 687 64

Set 6 pcs.

17 687 65

Set 3 pcs. + 1 double steel connection terminal 2 x 10-50 mm<sup>2</sup>

17 687 66

Set 4 pcs. double steel connection terminal 2 x 10-50 mm<sup>2</sup>

17 687 47



Cross Section Cu/Al  
10<sup>2</sup>mm<sup>2</sup> - 70<sup>2</sup>mm<sup>2</sup>  
10<sup>2</sup>mm<sup>2</sup> - 95<sup>2</sup>mm<sup>2</sup>  
(double steel connection terminal up to 50<sup>2</sup>mm<sup>2</sup>)

### KH1

Cover with transparent window

transparent window in the area of the fuse inserts  
incl. square fixing screws

27 075 28



Outside fastening set

4-point-outside fastener

(bottom left/right, top left/right)

17 687 22



Standard-slider NH2

max. 54 mm diameter (stepped grommet)

suitable for all entries

27 075 05



Double-Slider NH2

for two wires up to 34 mm Ø each

suitable for all entries

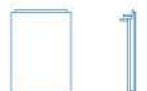
27 076 07



Blind slider NH2

suitable for all entries

27 075 06



PG36 slider NH2

Slider with cable gland PG36

suitable for all entries

27 076 08



Hinge for top cover

suitable for all KH1-HSBs (nkt cables)

Set (2 pcs.)

53 644 02



2 x  
(incl. nuts)

Terminal sets

V-shaped cable connection terminals up to 240<sup>2</sup>mm<sup>2</sup>

Set 4 pcs.

17 687 33

Set 5 pcs.

17 687 37



Cross Section Cu/Al  
50<sup>2</sup>mm<sup>2</sup> - 185<sup>2</sup>mm<sup>2</sup>  
50<sup>2</sup>mm<sup>2</sup> - 240<sup>2</sup>mm<sup>2</sup>





# CERTIFICATE **TUV NORD**

Management system as per  
**DIN EN ISO 9001 : 2008**  
**DIN EN ISO 14001 : 2005**

In accordance with TÜV NORD CERT procedures, it is hereby certified that


**nkt cables GmbH**  
**Kabelgarnituren**  
**Helgoländer Damm 75**  
**26954 Nordenham**  
**Germany**

applies a management system in line with the above standards for the following scope

**Sales, development and production of high, low and medium voltage  
cable accessories and cabinets at location Nordenham**

Certificate Registration No. 78 100 533590  
Certificate Registration No. 78 101 533590  
Audit Report No. 3503 0526 / 3503 0527

Valid until 2012-02-14  
Initial certification 1999

  
Certification Body  
at TÜV NORD CERT GmbH

Essen: 2009-03-27

This certification was conducted in accordance with the TÜV NORD CERT auditing and certification procedures and is subject to regular surveillance audits.

TÜV NORD CERT GmbH

Langemarckstrasse 20

45141 Essen

[www.tuev-nord-cert.com](http://www.tuev-nord-cert.com)



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**nkt cables**

nkt cables GmbH  
Cable Accessories  
Helgoländer Damm 75  
D-26954 Nordenham

Phone: +49 (0) 47 31 / 364 - 436  
Fax: +49 (0) 47 31 / 364 - 364  
E-Mail: [cabinets@nktcables.com](mailto:cabinets@nktcables.com)  
Internet: [www.nktcables-acc.com](http://www.nktcables-acc.com)

**Completing the picture**