

## Power Distribution Boards / Distribution Boards



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## Power Distribution Boards / Distribution Boards

### ALPHA 3200 Power Distribution Boards

#### Introduction

##### Overview

The ALPHA 3200 power distribution board is ideally suited to use in building infrastructure. The modular system for producing a design-verified switchgear and controlgear assembly in accordance with IEC 61439-2 is perfectly matched to Siemens switching devices.



##### ALPHA 3200 power distribution boards up to 3200 A

Panel types:

- Incoming feeder panels 3WL air circuit breakers, 3VA, 3VL molded case circuit breakers
- Outgoing feeder panels in fixed-mounted design, 3VA, 3VL molded case circuit breakers, 3KA, 3KD switch disconnectors
- Outgoing feeder panels 3NJ4 fuse switch disconnectors, fixed-mounted
- Outgoing feeder panels 3NJ6 switch disconnectors with fuses, plugged in
- ALPHA outgoing feeder panels
- Coupling panels (longitudinal, transverse) for 3WL air circuit breakers

##### Design

The ALPHA 3200 power distribution board is matched to the SENTRON protection, switching, measuring and monitoring devices. In addition, the assembly kits of the ALPHA distribution boards can be integrated into the switchboard.

##### Type of delivery



Pre-assembled with copper



Pre-assembled without copper

#### Benefits

- Compact, space-saving design, perfectly matched to the innovative SENTRON components from Siemens
- High integration density of a host of devices and their accessories from the SENTRON portfolio
- Fast, simple and reliable planning of the enclosure and required components with the configuration software SIMARIS configuration
- Comprehensive plant documentation (parts lists, calculation of losses, design graphics)

#### Application

The ALPHA 3200 low-voltage power distribution board rounds off the ALPHA portfolio and enables universal power distribution for applications in building infrastructure up to 3200 A.

## **Power Distribution Boards / Distribution Boards**

ALPHA 3200 Power Distribution Boards

## Introduction

## Technical specifications

<b>Standards and regulations</b>	System for producing a design-verified switchgear and controlgear assembly	IEC 61439-1/2 EN 61439-1/2
<b>Clearance and creepage distances</b>	Rated impulse withstand voltage ( $U_{imp}$ ) Overvoltage category Pollution degree	8 kV III 3
<b>Rated insulation voltage (<math>U_i</math>)</b>	1000 V	
<b>Rated operational voltage (<math>U_e</math>)</b>	Up to 690 V	
<b>Busbar 3-pole / 4-pole</b>	Rated currents ( $I_n$ ) of the main busbars Rated peak withstand current ( $I_{pk}$ ) Rated short-time withstand current ( $I_{cw}$ )	Up to 3200 A Up to 165 kA Up to 75 kA, 1s
<b>Degree of protection</b>	According to IEC 60529, EN 60529	Up to IP41 (ventilated) IP54 (unventilated)
<b>Form of internal separation</b>	Acc. to IEC 61439-1, EN 61439-1, Section 7.7	Up to form 2b
<b>Frame variants</b>	Height Depth	2000 mm 600 mm
<b>Operating conditions</b>	<i>Observe correction factors for other conditions</i>	
Ambient temperature Installation altitudes	24 hour mean value	$\leq 35^\circ\text{C}$ $\leq 2000 \text{ m}$
Installation Operating personnel	Indoor installation Electrically skilled persons acc. to (IEC 61439-1, Paragraph 3.7.12)	

## **More information**

Software

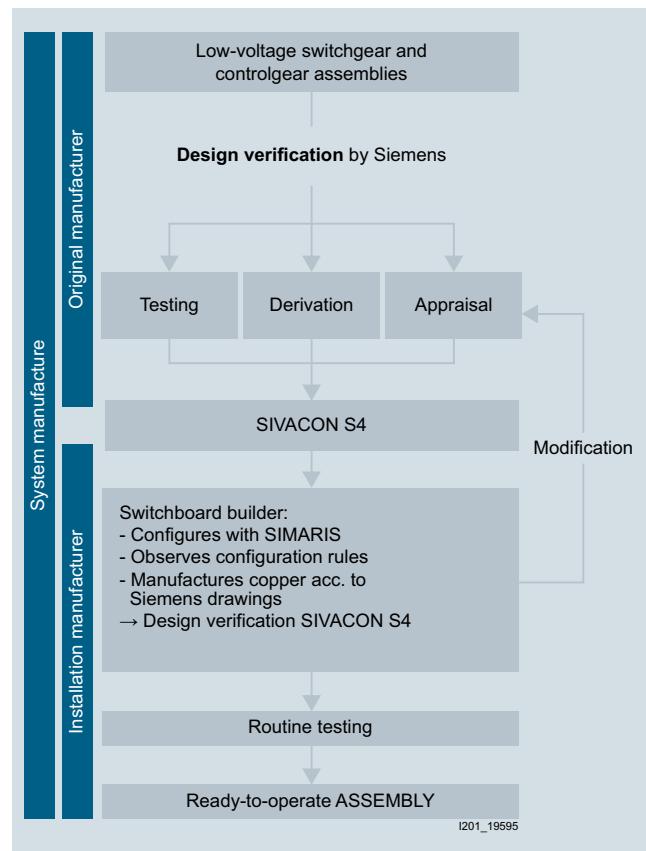
The ALPHA 3200 power distribution board is configured, ordered and documented using the configuring software SIMARIS configuration, [siehe Kapitel "Software"](#).

**Construction and testing modalities acc. to IEC 61439-1-2**

The area of responsibility of the units involved is clearly defined within the switchboard standard. With SIVACON S4 Siemens as the original manufacturer is offering a system for producing a design-verified switchgear and controlgear assembly.

The switchboard builder (manufacturer of the switchgear and controlgear assembly) combines it in accordance with the application and configuration rules specified by Siemens. The free-of-charge SIMARIS configuration software provides assistance in this regard. What is more, all the copper drawings and terminal diagrams of the devices are stored in this program. This means that the design verifications performed by Siemens still retain their validity. In the event of a customer-specific modification the switchboard builder naturally slips into the role of the original manufacturer and ensures compliance with applicable standards.

After carrying out the routine test and commissioning, a ready-to-operate switchgear and controlgear assembly is created which is then handed over to the owner of the plant. This regulated procedure creates trust and provides a reliable, uninterruptible power supply.



## Power Distribution Boards / Distribution Boards

### ALPHA Distribution Boards

#### Overview

##### Overview

	Version	Page	Surface-mounting distribution boards	Flush-mounting distribution boards	Rated current A	Cubicle depth mm	Safety class	
							1	2
	ALPHA 1250 DIN technology distribution boards	Unequipped distribution board	19/10	✓	--	1250	400	✓ --
	ALPHA 630 DIN technology distribution boards	Unequipped distribution board, as flat pack	19/15	✓	--	630	210	✓ ✓
		Unequipped distribution board	19/16	✓	--	630	210/250/320	✓ ✓
		Unequipped distribution board, with open side panels	19/17	✓	--	630	250/320	✓ --
	ALPHA 400 DIN technology distribution boards	Unequipped distribution board, as flat pack	19/22	✓	--	400	210	✓ ✓
		Unequipped distribution board	19/23	✓	✓	400	210	✓ ✓
	ALPHA 160 DIN technology distribution boards	Cubicle, partially equipped	19/63	✓	✓	160	140	-- ✓
		Unequipped distribution board	19/63	✓	✓	160	140	-- ✓
	Small distribution boards	<u>SIMBOX XL small distribution boards:</u>						
		• Flush-mounting and hollow-wall distribution boards	19/71	--	✓	63	88 <sup>1)</sup>	-- ✓
		• IP30 surface-mounting distribution boards	19/79	✓	--	63	99	-- ✓
		<u>SIMBOX WP small distribution boards:</u>						
		• IP65 surface-mounting distribution boards	19/83	✓	--	63	100/140/160	-- ✓

<sup>1)</sup> Mounting depth

**Power Distribution Boards / Distribution Boards**  
ALPHA Distribution Boards

Overview

Degree of protection	VDE	EN	DIN	IEC
IP55	VDE 0660-600-1/-2	EN 61439-1/-2	--	Design verification according to IEC 61439-1/-2
IP43	VDE 0660-600-1/-2	EN 61439-1/-2	--	IEC 61439-1/-2
IP43 / IP55				
IP55				
IP43	VDE 0660-600-1/-2/-3	EN 61439-1/-2/-3	--	IEC 61439-1/-2/-3
IP31 / IP43 / IP55				
IP31 / IP43 / IP44	VDE 0660-600-1/-3	EN 61439-1/-3	--	IEC 61439-1/-3
IP30	DIN VDE 0603	--	DIN 43871	IEC 61439-1/-3
IP65	DIN VDE 0603-1, VDE 0660-500/-504	EN 61439-1/-3	DIN 43871	IEC 61439-1/-3

# Power Distribution Boards / Distribution Boards

## ALPHA Distribution Boards

### Overview

#### Integrated system

The ALPHA distribution boards for currents from 63 to 1250 A cover all requirements placed on power distribution. The common platform structure ensures a universal system of expansion options of the ALPHA distribution boards.

#### Modular and flexible

The modular design of the board enables easy planning, configuration, calculation, ordering and mounting. Assembly kits that only require a one-size screwdriver for assembly are available for all mountable switching and modular installation devices.

Due to the platform structure and the modular layout, the device-specific assembly kits can be integrated in various distribution board versions. This simplifies assembly. The use of identical parts reduces stock keeping. The equipping is done individually and project-specifically.

#### Flat pack delivery

ALPHA distribution boards are also available as flat packs. This means that a distribution board is delivered in individual parts in a cardboard box. The cardboard boxes contain the individual parts, brief mounting instructions and all mounting accessories.

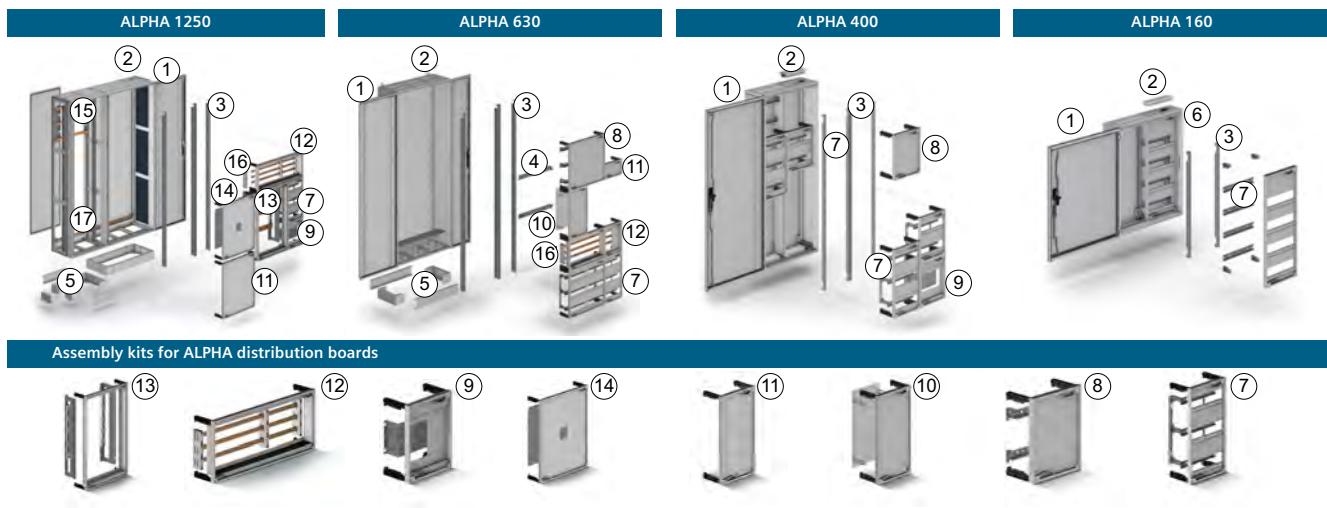
Only a few manual steps are required to assemble the individual system components to create wall or floor-mounted distribution boards of degree of protection IP43. The only tool required for such assembly is a one-size screwdriver.

This offers clear advantages and customer benefits: a considerable reduction in the delivery volume and storage space required. It goes without saying that the distribution boards can also be delivered in a pre-assembled form.



#### Unequipped distribution board delivery option

In the unequipped distribution board delivery option, ALPHA distribution boards are delivered as welded and riveted complete enclosures.



- (1) Enclosure with door
- (2) Flange
- (3) Stays
- (4) Crossbeam
- (5) Base
- (6) Quick-assembly kit
- (7) Assembly kit for modular installation devices
- (8) Assembly kit for terminal blocks
- (9) Assembly kit for fuse switch disconnectors
- (10) Assembly kit for mounting plate
- (11) Front cover
- (12) Assembly kit for busbar-adaptable units
- (13) Assembly kit for in-line fuse switch disconnectors
- (14) Assembly kit for molded case circuit breakers
- (15) Main busbar system
- (16) 60 mm busbar system
- (17) PEN busbar

I201\_19628

**Power Distribution Boards / Distribution Boards**  
ALPHA Distribution Boards

**Special colors additional price**

Special colors	Color designation	Option	ALPHA 160	ALPHA 400	ALPHA 630	ALPHA 1250
			Surcharge	Surcharge	Surcharge	Surcharge
	RAL 9016 traffic white semi-gloss smooth	C10	--	--	--	--
	RAL 7035 light gray semi-gloss smooth	C11	--	--	--	--
	RAL 7035 light gray semi-gloss textured	C12	✓	✓	✓	✓
	RAL 7032 pebble gray semi-gloss textured	C13	✓	✓	✓	✓
	RAL 7038 agate gray semi-gloss textured	C14	✓	✓	✓	✓
	RAL 9010 pure white semi-gloss smooth	C15	✓	✓	✓	✓
	SN 610 Siemens white semi-gloss textured	C16	✓	✓	✓	✓
	SN 610 Siemens white silky gloss textured	C17	✓	✓	✓	✓
	RAL 9002 gray white semi-gloss smooth	C18	✓	✓	✓	✓
	RAL 9002 gray white semi-gloss textured	C19	✓	✓	✓	✓
	RAL 9003 signal white semi-gloss textured	C20	✓	✓	✓	✓
	RAL 9001 cream semi-gloss smooth	C21	✓	✓	✓	✓
	RAL 5017 traffic blue silky gloss textured	C22	✓	✓	✓	✓
	RAL 5005 signal blue semi-gloss smooth	C23	✓	✓	✓	✓
	RAL 5010 gentian blue semi-gloss smooth	C24	✓	✓	✓	✓
	RAL 2000 yellow orange semi-gloss smooth	C25	✓	✓	✓	✓
	RAL 6018 yellow green semi-gloss smooth	C26	✓	✓	✓	✓
	RAL 1003 signal yellow semi-gloss smooth	C27	✓	✓	✓	✓
	RAL 7033 cement gray semi-gloss textured	C28	✓	✓	✓	✓
	RAL 9002 gray white silky gloss smooth	C29	✓	✓	✓	✓
	RAL 9010 pure white semi-gloss textured	C30	✓	✓	✓	✓
	RAL 3000 flame red silky gloss textured	C31	✓	✓	✓	✓

## Power Distribution Boards / Distribution Boards

### ALPHA 1250 Distribution Boards

#### Introduction

##### Overview

The system ALPHA 1250 DIN technology distribution boards (1250 A) comprise unequipped distribution boards with removable rear plates, doors, bases with degree of protection IP55, assembly kits for individual assembly, and an extensive range of accessories.

##### Enclosure

- Material: electrogalvanized and powder-coated sheet steel
- Sheet thickness, degree of protection IP43/IP55: body 1.25 mm, door 1 mm
- Color: RAL 7035 (light gray), further RAL colors available on request.
- **For special colors, see page 19/7.**

##### Benefits

- Busbars are routed to the rear panel through side-by-side cabinets
- Rear wall can be removed for easy installation
- Degree of protection IP55
- Safety class 1 (protective conductor connection)
- Easy planning thanks to modular design
- Flexible expansion with a wide range of mounting kits from the ALPHA 630 distribution board system
- Ample wiring space
- Easy assembly thanks to keyhole-fastened components and modules with quick-acting locks

##### Assembly kits

The assembly kits are made of sendzimir-galvanized sheet steel and are equipped with molded-plastic covers for a wide range of equipping options, e.g. with switching devices and modular installation devices.

The largest switching devices that can be installed in the ALPHA 1250 are SENTRON switching devices with a rated current of up to 1250 A.

- System concept according to DIN, EN and VDE standards
- High-quality surface finish: distribution boards made of electrogalvanized and powder-coated sheet steel, system components made of sendzimir-galvanized sheet steel, galvanized and transparently chromated small components and screws
- Doors can be hinged on the right or left
- Door opening angle of 170°
- Replaceable locking systems (accessories)
- Front cover with sealable 90° quick-acting locks
- Environmentally-friendly, recyclable plastics.

##### Application

The ALPHA 1250 DIN technology distribution board (1250 A) is used wherever busbar systems are to be routed through several side-by-side floor-mounted cabinets or where floor-mounted cabinets require a greater enclosure depth (e.g. in administrative, non-residential and industrial buildings). It rounds off the ALPHA range of floor-mounted distribution boards with an overall depth of 400 mm.

The modular distribution boards can be supplied in safety class 1 (protective conductor connection). IP55 degree of protection can be achieved with the necessary flanges.

With just a few standard components, it is possible to achieve a wide range of project-related mounting and equipping options.

40 mm, 60 mm and 185 mm busbar systems with dimensions up to 100 x 10 mm can be installed.



# Power Distribution Boards / Distribution Boards

## ALPHA 1250 Distribution Boards

### Introduction

#### Technical specifications

Overvoltage category	III
Rated impulse withstand voltage $U_{imp}$ in kV	8
Clearance and creepage distances	EN 60664-1
Rated insulation voltage $U_i$ in V	690
Rated operational voltage $U_e$ in V AC/DC	690
Rated voltage $U_n$ (40 Hz to 60 Hz AC) in V	690 for built-in devices
Rated current in A	1250
Rated peak withstand current $I_{pk}$ in kA	
• With busbar support, 60 mm	Up to 78.9 <sup>1)</sup>
• With busbar support, 185 mm	Up to 110 <sup>1)</sup>
Rated short-time current $I_{cw}$ in kA	
• With busbar support, 60 mm	Up to 34 <sup>1)</sup>
• With busbar support, 185 mm	Up to 35 <sup>1)</sup>
Protective measures	Safety class 1 (protective conductor connection)
Number of conductors in the busbar run	4/5
Degree of protection acc. to EN 60529	IP55 with door (with matching flanges)
Standard mounting rail tier spacing per standard mounting rail tier in mm	150
Modular width (MW)	18 mm, 12 MW
Pollution degree	3
Ambient temperature in °C	35 (24-h mean value)
Relative air humidity in %	50 at 40 °C
Test specifications	EN 61439-1/-2 (VDE 0660-600-1/-2)
Enclosure	Sheet steel
Mounting dimensions	DIN 43880
Surface	Electrogalvanized and powder-coated
Color <sup>2)</sup>	RAL 7035 (light gray)
Lock	3-point locking with integrated espagnolette lock (can be replaced with other locking systems if required)
Packing material	Shock-proof, environmentally-friendly

<sup>1)</sup> Depending on distance of busbar support.

<sup>2)</sup> Further RAL colors are available on request. [For special colors](#), see page 19/7.

#### Cabinet dimensions

<b>Cabinet (external dimensions)</b>				
<b>Height</b>		<b>Width</b>	<b>Depth</b>	<b>Assembly kits in panel-size grid dimension</b>
mm	mm	mm	mm	Height × width in mm
External dimension: 1950 with base (100 mm)	Internal dimension: 1800	250/300 500/550 750/800 1000/1050 1250/1300	400	150 × 250

## Power Distribution Boards / Distribution Boards

### ALPHA 1250 Distribution Boards

#### Unequipped distribution boards

##### Selection and ordering data

###### Modular distribution boards

- Degree of protection IP55
- Color RAL 7035 (light gray)
- External height: 1950 mm
- External depth: 400 mm
- Type of delivery: welded and riveted unequipped distribution board, with removable

- Rear panel, door and open side panels
- Safety class 1 (protective conductor connection)
- Enclosure (with base) with door and espagnolette lock (can be replaced with other locking systems).
- Distribution boards with a width of 750 mm/800 mm or more will be supplied with a double door
- Flanges must be ordered separately

Internal/external dimensions with base		Panel width	SD	Surface-mounting distribution boards			Textured paint, RAL 7035		
Height	Width		d	Standard color, RAL 7035	PU (UNIT, SET, M)	PS	PG	Article No. <a href="#">www.siemens.com/product</a> ?Article No.	
mm	mm			Article No. <a href="#">www.siemens.com/product</a> ?Article No.	Price per PU			Article No. plus option <b>-Z-C12</b>	Special color surcharge

##### Cabinet depth 210 mm, safety class 1

- Type of delivery: flat pack, degree of protection IP43

1800/1950	250/300	<input type="checkbox"/>
	500/550	<input checked="" type="checkbox"/>
	750/800	<input checked="" type="checkbox"/>
	1000/1050	<input checked="" type="checkbox"/>
	1250/1300	<input checked="" type="checkbox"/>

<b>8GK1423-8KK15</b>
<b>8GK1423-8KK25</b>
<b>8GK1423-8KK35</b>
<b>8GK1423-8KK45</b>
<b>8GK1423-8KK55</b>

1	1 unit	1BP

<b>8GK1423-8KK15-Z-C12</b>
<b>8GK1423-8KK25-Z-C12</b>
<b>8GK1423-8KK35-Z-C12</b>
<b>8GK1423-8KK45-Z-C12</b>
<b>8GK1423-8KK55-Z-C12</b>

Ordering example,  
for further  
colors, see  
page 19/7

Version	SD	Article No. <a href="#">www.siemens.com/product</a> ?Article No.	Price per PE	PU (UNIT, SET, M)	PS	PG
	d					

Replacement door for cabinets						
Height 1950 mm						
Cubicle width mm	Door version	Door width mm				
300	Complete	300	<b>8GK9513-8KK10</b>	1	1 unit	1BP
550	Complete	550	<b>8GK9513-8KK20</b>	1	1 unit	1BP
800/1050	Left	525	<b>8GK9513-8KK30</b>	1	1 unit	1BP
800	Right	275	<b>8GK9513-8KK40</b>	1	1 unit	1BP
1050/1300	Right	525	<b>8GK9513-8KK50</b>	1	1 unit	1BP
1300	Left	775	<b>8GK9513-8KK60</b>	1	1 unit	1BP

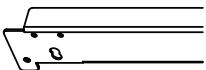
Side panels, modular distribution board						
Depth 400 mm						
			<b>8GK9520-0KK05</b>	1	1 unit	1BP

8GK9520-0KK05

# Power Distribution Boards / Distribution Boards

## ALPHA 1250 Distribution Boards

### Unequipped distribution boards

	Version	SD d	Article No. <a href="http://www.siemens.com/product">www.siemens.com/ product</a>	Price per PE	PU (UNIT, SET, M)	PS	PG
<b>Accessories</b>							
	<b>Longitudinal stays (latchable pivot stays)</b> • In order to mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required for each assembly kit width • Depth 250/320/400 mm • 1 set = 2 stays	Longitudinal stays mm 1800	<b>8GK4853-8KK02</b>		1	1 set	1BP
							
	<b>Connecting kits for longitudinal stays</b> • Connecting plate for stays • 1 set = 4 units		<b>8GK9910-0KK32</b>		1	1 unit	1BP
	<b>Assembly kits for masking frame for front cover</b> Height 1800 mm Width in mm 250 500 750 1000 1250 Note Assembly kit only necessary if the mounting stays are mounted at the rear of the modular distribution board.		<b>8GK9913-0KK10</b> <b>8GK9913-0KK20</b> <b>8GK9913-0KK30</b> <b>8GK9913-0KK40</b> <b>8GK9913-0KK50</b>		1	1 unit	1BP
					1	1 unit	1BP
					1	1 unit	1BP
	<b>Flange plates</b> For lower flange opening (sheet steel closed)		<b>8GK9100-0KK04</b>		1	1 unit	1BP
<b>Expansion parts for busbars</b>							
	<b>Busbar supports</b> • Busbar spacing 100/185 mm • Max. busbar current 1250 A • Max. Cu 1 x 80 x 10	Versions • With matching support plate for mounting on the rear panel • Without support plate for mounting on the busbar (no fixing to the cabinet enclosure), including fixing screws	<b>8GK9720-0KK00</b> <b>8GK9720-0KK01</b>		1	1 unit	1BP
		Accessories • PEN bar holder • N/PE busbar supports	<b>8GK9721-0KK00</b> <b>8GK9110-0KK00</b>		1	1 unit	1BP
					1	2 units	1BP
					1	1 unit	1BP
	<b>Cross arm for N/PEN pin insulators and/or holders for PEN bars</b> Included in delivery: cross arm for N/PEN main busbar, 4 x fixing screws M5 x 10	Versions • W = 250 mm • W = 500 mm • W = 750 mm • W = 1000 mm • W = 1250 mm	<b>8GK4854-0KK10</b> <b>8GK4854-0KK20</b> <b>8GK4854-0KK30</b> <b>8GK4854-0KK40</b> <b>8GK4854-0KK50</b>		1	1 unit	1BP
					1	1 unit	1BP
					1	1 unit	1BP
					1	1 unit	1BP
					1	1 unit	1BP

## Power Distribution Boards / Distribution Boards

### ALPHA 1250 Distribution Boards

#### Unequipped distribution boards

	Version	SD d	Article No. <a href="http://www.siemens.com/product">www.siemens.com/ product</a> ?Article No.	Price per PE	PU (UNIT, SET, M)	PS	PG
 8GK9110-0KK00	<b>Pin insulator for N busbar including holder</b> Pin insulator, 1-pole, with M8 internal thread and holder		<b>8GK9110-0KK00</b>		1	1 unit	1BP
 8GK9721-0KK00	<b>ALPHA 1250 holder for PEN bar</b> PEN bar holder		<b>8GK9721-0KK00</b>		1	2 units	1BP

**Power Distribution Boards / Distribution Boards**

ALPHA 630 Distribution Boards

**Introduction****Overview****System**

The ALPHA 630 floor-mounted distribution boards are available as unequipped distribution boards as flat packs (delivered in individual parts for customer assembly, [see also Part 3](#)) in degree of protection IP43, unequipped distribution boards welded and riveted in degree of protection IP55.

**Benefits**

- Plan and configure quickly, simply and conveniently with the software SIMARIS configuration.
- Types of delivery:
  - Flat pack (assembly kit for self-assembly)
  - Unequipped distribution board, welded and riveted
  - The cabinet-high quick-assembly kits can be mounted directly onto the platform (rear panel)
  - **Additional mounting stays are required for mounting the assembly kits! 2 longitudinal stays per panel width must be ordered separately for the assembly kits.**
- Easy planning thanks to modular design
- Ample wiring space behind the standard mounting rail
- Extensive range of assembly kits for ALPHA switching devices and modular installation devices for individual and project-related composition
- Easy assembly thanks to keyhole-fastened components and modules with quick-acting locks

**Application**

The ALPHA 630 DIN technology distribution boards round off the ALPHA distribution board product range with three different mounting depths: 210 mm, 250 mm and 320 mm.

With just a few standard components, it is possible to achieve a wide range of project-related mounting and equipping options.

The ALPHA 630 DIN technology distribution board range comprises wall-mounted distribution boards with up to 12 modular installation devices, each with 12 MW per mounting width (250 mm). The standard mounting rail tier spacing is 150 mm. A total of 5 cabinet mounting widths are available, each with an internal dimension of 250 mm.

The distribution boards are designed to meet safety class 1 (protective conductor connection) and safety class 2 (total insulation). For floor-mounted distribution boards the standard degrees of protection are IP43 with a depth of 210 mm (flat pack: delivery in individual parts) and IP55 (unequipped distribution board, welded and riveted) with depths of 250 mm and 320 mm. The rated current is 630 A.

40 mm or 60 mm busbar systems with dimensions up to 30 x 10 mm can be installed.

The modular design of the board enables easy planning, configuration, calculation, ordering and mounting.

Assembly kits that only require a one-size screwdriver for assembly are available for all mountable switching and modular installation devices.

**Enclosure**

- Material: electrogalvanized and powder-coated sheet steel
- Sheet thickness, degree of protection IP43/IP55: body 1 mm, door 1 mm
- Color: RAL 7035 (light gray), further RAL colors available on request. **For special colors, see page 19/7.**

- System concept according to DIN, EN and VDE standards
- Solid sheet-steel enclosure
- Degrees of protection IP43 and IP55
- Safety class 1 (protective conductor connection) and safety class 2 (total insulation)
- High-quality surface finish: distribution boards made of electrogalvanized and powder-coated sheet steel, system components made of sendzimir-galvanized sheet steel, galvanized and transparently chromated small components and screws
- Doors can be hinged on the right or left
- Door opening angle of 170°
- Replaceable locking systems (accessories)
- Front cover with sealable 90° quick-acting locks
- Environmentally-friendly, recyclable plastics.



# Power Distribution Boards / Distribution Boards

## ALPHA 630 Distribution Boards

### Introduction

#### Technical specifications

Overvoltage category	III
Rated impulse withstand voltage $U_{imp}$ in kV	6
Clearance and creepage distances	EN 60664-1
Rated insulation voltage $U_i$ in V	690
Rated operational voltage $U_e$ in V AC/DC	690
Rated voltage $U_n$ (40 Hz to 60 Hz AC) in V	690 for built-in devices
Rated current in A	Up to 630
Rated peak withstand current $I_{pk}$ in kA	Up to 76 (3-pole) <sup>2)</sup>
Rated short-time current $I_{cw}$ in kA	34, conduction interval of 1 s
Protective measures	Safety class 1 (protective conductor connection) Safety class 2 (total insulation)
Number of conductors in the busbar run	4/5
Degree of protection acc. to EN 60529	IP43 with door, IP55 with door (with matching flanges)
Standard mounting rail tier spacing per standard mounting rail tier in mm	150
Modular width (MW)	18 mm, 12 MW + 1 mountable MW
Pollution degree	3
Ambient temperature in °C	35 (24-h mean value)
Relative air humidity in %	50 at 40 °C
Test specifications	EN 61439-1/-2 (VDE 0660-600-1/-2)
Enclosure	Sheet steel
Mounting dimensions	DIN 43870
Surface	Electrogalvanized and powder-coated
Color <sup>1)</sup>	RAL 7035 (light gray)
Lock	3-point locking with integrated espagnolette lock (can be replaced with other locking systems if required)
Packing material	Shock-proof, environmentally-friendly

<sup>1)</sup> Further RAL colors are available on request. [For special colors](#), see page 19/7.

<sup>2)</sup> Busbar support spacing: 250 mm, Cu busbars 30 × 10 mm.

#### Cabinet dimensions

<b>Cabinet (external dimensions)</b>		<b>Width</b>	<b>Depth</b>	<b>Assembly kits in panel-size grid dimension</b>
<b>Height</b>	mm	mm	mm	Height × width in mm
External dimension: 1950 with base (100 mm)	Internal dimension: 1800	250/300 500/550 750/800 1000/1050 1250/1300	210	150 × 250
External dimension: 1950 with base (100 mm)	Internal dimension: 1800	250/300 500/550 750/800 1000/1050 1250/1300	250	
External dimension: 1950 with base (100 mm)	Internal dimension: 1800	250/300 500/550 750/800 1000/1050 1250/1300	320	

**Power Distribution Boards / Distribution Boards**ALPHA 630 Distribution Boards  
Unequipped Distribution Boards**8GK1 surface-mounting distribution boards, IP43****Overview**

- Types of delivery:
  - Flat pack (assembly kit for self-assembly)
  - Unequipped distribution board, welded and riveted
  - The cabinet-high quick-assembly kits can be mounted directly onto the platform (rear panel)
  - Additional mounting stays are required for mounting the assembly kits! 2 longitudinal stays per panel width must be ordered separately for the assembly kits.
- Cabinet depth 210 mm
- Safety class 1 (protective conductor) and 2 (total insulation)

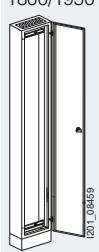
- Degree of protection IP43
- Color RAL 7035 (light gray)
- For special colors, see page 19/7
- Unassembled enclosure (with base) with unassembled enclosed door or pre-assembled enclosure (with base) complete with door and espagnolette lock, which can be replaced with other locking systems. Distribution boards with a width of 750 mm/800 mm or more will be supplied with a double door
- Flanges: one 2-component flange at the top per panel width

**Selection and ordering data**

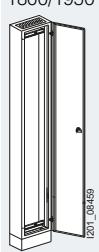
Internal/external dimensions with base			Surface-mounting distribution boards				
Height	Width	Panel width	SD	Standard color, RAL 7035	PU (UNIT, SET, M)	PS PG	Textured paint, RAL 7035
mm	mm	d		Article No. <a href="http://www.siemens.com/product">www.siemens.com/product</a>	Price per PU		Article No. <a href="http://www.siemens.com/product">www.siemens.com/product</a>

**Cabinet depth 210 mm, flat pack**

- Type of delivery: flat pack, safety class 1, degree of protection IP43

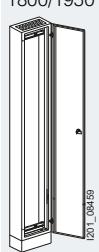
 1800/1950	250/300	<input type="checkbox"/>	<b>8GK1302-8KK12</b>	1	1 unit	1BP	--
	500/550	<input checked="" type="checkbox"/>	<b>8GK1302-8KK22</b>	1	1 unit	1BP	--
	750/800	<input checked="" type="checkbox"/>	<b>8GK1302-8KK32</b>	1	1 unit	1BP	--
	1000/1050	<input checked="" type="checkbox"/>	<b>8GK1302-8KK42</b>	1	1 unit	1BP	--
	1250/1300	<input checked="" type="checkbox"/>	<b>8GK1302-8KK52</b>	1	1 unit	1BP	--

- Type of delivery: flat pack, safety class 2, degree of protection IP43

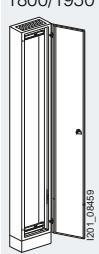
 1800/1950	250/300	<input type="checkbox"/>	<b>8GK1312-8KK12</b>	1	1 unit	1BP	--
	500/550	<input checked="" type="checkbox"/>	<b>8GK1312-8KK22</b>	1	1 unit	1BP	--
	750/800	<input checked="" type="checkbox"/>	<b>8GK1312-8KK32</b>	1	1 unit	1BP	--
	1000/1050	<input checked="" type="checkbox"/>	<b>8GK1312-8KK42</b>	1	1 unit	1BP	--
	1250/1300	<input checked="" type="checkbox"/>	<b>8GK1312-8KK52</b>	1	1 unit	1BP	--

**Cabinet depth 210 mm, unequipped distribution board**

- Delivery as welded and riveted unequipped distribution board, safety class 1, degree of protection IP43

 1800/1950	250/300	<input type="checkbox"/>	<b>8GK1322-8KA12</b>	1	1 unit	1BP	<b>8GK1322-8KA12-Z-C12</b> ✓
	500/550	<input checked="" type="checkbox"/>	<b>8GK1322-8KA22</b>	1	1 unit	1BP	<b>8GK1322-8KA22-Z-C12</b> Ordering example,
	750/800	<input checked="" type="checkbox"/>	<b>8GK1322-8KA32</b>	1	1 unit	1BP	<b>8GK1322-8KA32-Z-C12</b> for further colors, see page 19/7
	1000/1050	<input checked="" type="checkbox"/>	<b>8GK1322-8KA42</b>	1	1 unit	1BP	<b>8GK1322-8KA42-Z-C12</b>
	1250/1300	<input checked="" type="checkbox"/>	<b>8GK1322-8KA52</b>	1	1 unit	1BP	<b>8GK1322-8KA52-Z-C12</b>

- Delivery as welded and riveted unequipped distribution board, safety class 2, degree of protection IP43

 1800/1950	250/300	<input type="checkbox"/>	<b>8GK1332-8KA12</b>	1	1 unit	1BP	<b>8GK1332-8KA12-Z-C12</b> ✓
	500/550	<input checked="" type="checkbox"/>	<b>8GK1332-8KA22</b>	1	1 unit	1BP	<b>8GK1332-8KA22-Z-C12</b> Ordering example,
	750/800	<input checked="" type="checkbox"/>	<b>8GK1332-8KA32</b>	1	1 unit	1BP	<b>8GK1332-8KA32-Z-C12</b> for further colors, see page 19/7
	1000/1050	<input checked="" type="checkbox"/>	<b>8GK1332-8KA42</b>	1	1 unit	1BP	<b>8GK1332-8KA42-Z-C12</b>
	1250/1300	<input checked="" type="checkbox"/>	<b>8GK1332-8KA52</b>	1	1 unit	1BP	<b>8GK1332-8KA52-Z-C12</b>

## Power Distribution Boards / Distribution Boards

ALPHA 630 Distribution Boards

Unequipped Distribution Boards

### 8GK1 surface-mounting distribution boards, IP43

	Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
d							
<b>Accessories</b>							
	<b>Longitudinal stays</b> <ul style="list-style-type: none"><li>To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required for each assembly kit width</li><li>Height 1800 mm, depth 210 mm</li><li>1 set = 2 stays</li></ul>		<b>8GK4853-8KK00</b>			1	1 set 1BP
	<b>Connecting kits for longitudinal stays</b> <ul style="list-style-type: none"><li>Connecting plate for stays</li><li>1 set = 4 units</li></ul>		<b>8GK9910-0KK32</b>			1	1 unit 1BP

For assembly kits, [see page 19/30](#) onwards.

For accessories, [see page 19/48](#) onwards.

**Power Distribution Boards / Distribution Boards**ALPHA 630 Distribution Boards  
Unequipped Distribution Boards**8GK1 surface-mounting distribution boards, IP55****Overview**

- Type of delivery: unequipped distribution board, welded and riveted
- Cabinet depths: 250 mm and 320 mm
- Safety class 1 (protective conductor connection) and safety class 2 (total insulation)
- Degree of protection IP55
- Color RAL 7035 (light gray)
- For special colors, see page 19/7
- Unassembled enclosure (with base) with unassembled enclosed door or pre-assembled enclosure (with base) complete with door and espagnolette lock, which can be replaced with other locking systems. Distribution boards with a width of 750 mm/800 mm or more will be supplied with a double door

- SCII flange:
  - Depth 250 mm: per panel width, one 2-component flange each at the top and bottom
  - Depth 320 mm: per panel width, two 2-component flanges each at the top and bottom
- SCI flange:
  - Depth 250 mm: per panel width, one 2-component flange each at the top
  - Depth 320 mm: two 2-component flanges per panel width at the top (to achieve degree of protection IP55, a 2-component flange is also required at the bottom; please order separately if required).

**Selection and ordering data**

Internal/external dimensions			ALPHA 630 DIN technology distribution board, delivery as unequipped distribution board, degree of protection: IP55, color: RAL 7035								
Height	Width	Panel width	SD	Standard color Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG	Textured paint Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/product?Article No.</a>	Article No. plus option -Z-C12	Special color surcharge
mm	mm	mm	d								
<b>With closed side panel, cabinet depth 250 mm, safety class 1</b>											
1800/1950	300	<input type="checkbox"/>		<b>8GK1323-8KN13</b>	1	1 unit	1BP	<b>8GK1323-8KN13-Z-C12</b>		✓	
	550	<input type="checkbox"/>		<b>8GK1323-8KN23</b>	1	1 unit	1BP	<b>8GK1323-8KN23-Z-C12</b>			Ordering example, see page 19/7
	800	<input type="checkbox"/>		<b>8GK1323-8KN33</b>	1	1 unit	1BP	<b>8GK1323-8KN33-Z-C12</b>			for further colors, see page 19/7
	1050	<input type="checkbox"/>		<b>8GK1323-8KN43</b>	1	1 unit	1BP	<b>8GK1323-8KN43-Z-C12</b>			
	1300	<input type="checkbox"/>		<b>8GK1323-8KN53</b>	1	1 unit	1BP	<b>8GK1323-8KN53-Z-C12</b>			
<b>With closed side panel, cabinet depth 320 mm, safety class 1</b>											
1800/1950	300	<input type="checkbox"/>		<b>8GK1323-8KN14</b>	1	1 unit	1BP	<b>8GK1323-8KN14-Z-C12</b>		✓	
	550	<input type="checkbox"/>		<b>8GK1323-8KN24</b>	1	1 unit	1BP	<b>8GK1323-8KN24-Z-C12</b>			Ordering example, see page 19/7
	800	<input type="checkbox"/>		<b>8GK1323-8KN34</b>	1	1 unit	1BP	<b>8GK1323-8KN34-Z-C12</b>			for further colors, see page 19/7
	1050	<input type="checkbox"/>		<b>8GK1323-8KN44</b>	1	1 unit	1BP	<b>8GK1323-8KN44-Z-C12</b>			
	1300	<input type="checkbox"/>		<b>8GK1323-8KN54</b>	1	1 unit	1BP	<b>8GK1323-8KN54-Z-C12</b>			
<b>With open side panel, cabinet depth 250 mm, safety class 1</b>											
1800/1950	300	<input type="checkbox"/>		<b>8GK1323-8KP13</b>	1	1 unit	1BP	<b>8GK1323-8KP13-Z-C12</b>		✓	
	550	<input type="checkbox"/>		<b>8GK1323-8KP23</b>	1	1 unit	1BP	<b>8GK1323-8KP23-Z-C12</b>			Ordering example, see page 19/7
	800	<input type="checkbox"/>		<b>8GK1323-8KP33</b>	1	1 unit	1BP	<b>8GK1323-8KP33-Z-C12</b>			for further colors, see page 19/7
	1050	<input type="checkbox"/>		<b>8GK1323-8KP43</b>	1	1 unit	1BP	<b>8GK1323-8KP43-Z-C12</b>			
	1300	<input type="checkbox"/>		<b>8GK1323-8KP53</b>	1	1 unit	1BP	<b>8GK1323-8KP53-Z-C12</b>			
<b>With open side panel, cabinet depth 320 mm, safety class 1</b>											
1800/1950	300	<input type="checkbox"/>		<b>8GK1323-8KP14</b>	1	1 unit	1BP	<b>8GK1323-8KP14-Z-C12</b>		✓	
	550	<input type="checkbox"/>		<b>8GK1323-8KP24</b>	1	1 unit	1BP	<b>8GK1323-8KP24-Z-C12</b>			Ordering example, see page 19/7
	800	<input type="checkbox"/>		<b>8GK1323-8KP34</b>	1	1 unit	1BP	<b>8GK1323-8KP34-Z-C12</b>			for further colors, see page 19/7
	1050	<input type="checkbox"/>		<b>8GK1323-8KP44</b>	1	1 unit	1BP	<b>8GK1323-8KP44-Z-C12</b>			
	1300	<input type="checkbox"/>		<b>8GK1323-8KP54</b>	1	1 unit	1BP	<b>8GK1323-8KP54-Z-C12</b>			

## Power Distribution Boards / Distribution Boards

ALPHA 630 Distribution Boards

Unequipped Distribution Boards

### 8GK1 surface-mounting distribution boards, IP55

Internal/external dimensions			ALPHA 630 DIN technology distribution board, delivery as unequipped distribution board, degree of protection: IP55, color: RAL 7035								
Height mm	Width mm	Panel width mm	SD d	Standard color Article No. <a href="http://www.siemens.com/product">www.siemens.com/</a> product?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG	Textured paint Article No. <a href="http://www.siemens.com/product">www.siemens.com/</a> product?Article No.	Article No. plus option -Z-C12	Special color surcharge
<b>With closed side panel, cabinet depth 250 mm, safety class 2</b>											
1800/1950	300	□		<b>8GK1333-8KN13</b>	1	1 unit	1BP		<b>8GK1333-8KN13-Z-C12</b>		✓
	550	□□		<b>8GK1333-8KN23</b>	1	1 unit	1BP		<b>8GK1333-8KN23-Z-C12</b>		Ordering example, for further colors, see page 19/7
	800	□□□		<b>8GK1333-8KN33</b>	1	1 unit	1BP		<b>8GK1333-8KN33-Z-C12</b>		
	1050	□□□□		<b>8GK1333-8KN43</b>	1	1 unit	1BP		<b>8GK1333-8KN43-Z-C12</b>		
	1300	□□□□□		<b>8GK1333-8KN53</b>	1	1 unit	1BP		<b>8GK1333-8KN53-Z-C12</b>		
8GK1323-8KN23											
<b>With closed side panel, cabinet depth 320 mm, safety class 2</b>											
1800/1950	300	□		<b>8GK1333-8KN14</b>	1	1 unit	1BP		<b>8GK1333-8KN14-Z-C12</b>		✓
	550	□□		<b>8GK1333-8KN24</b>	1	1 unit	1BP		<b>8GK1333-8KN24-Z-C12</b>		Ordering example, for further colors, see page 19/7
	800	□□□		<b>8GK1333-8KN34</b>	1	1 unit	1BP		<b>8GK1333-8KN34-Z-C12</b>		
	1050	□□□□		<b>8GK1333-8KN44</b>	1	1 unit	1BP		<b>8GK1333-8KN44-Z-C12</b>		
	1300	□□□□□		<b>8GK1333-8KN54</b>	1	1 unit	1BP		<b>8GK1333-8KN54-Z-C12</b>		
Version							SD	Article No. <a href="http://www.siemens.com/product">www.siemens.com/</a> product?Article No.	Price per PU	PU (UNIT, SET, M)	PS PG
							d				
 <b>Side panel</b> • Gray • Depth 250/320 mm								<b>8GK9520-0KK03</b>		1	1 set 1BP
8GK9520-0KK03											
<b>Accessories</b>											
 <b>Longitudinal stays (latchable pivot stays)</b> • In order to mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required for each assembly kit width • Height 1800 mm • Depth 250/320 mm • 1 set = 2 stays								<b>8GK4853-8KK02</b>		1	1 set 1BP
8GK4853-8KK02											
 <b>Connecting kits for longitudinal stays</b> • Connecting plate for stays • 1 set = 4 units								<b>8GK9910-0KK32</b>		1	1 unit 1BP
8GK9910-0KK32											
 <b>Masking frame</b> • Sheet steel • For recessed installation of stays • Height 1800 mm											
Width in mm 250 500 750 1000 1250								<b>8GK9913-0KK10</b>		1	1 unit 1BP
								<b>8GK9913-0KK20</b>		1	1 unit 1BP
								<b>8GK9913-0KK30</b>		1	1 unit 1BP
								<b>8GK9913-0KK40</b>		1	1 unit 1BP
								<b>8GK9913-0KK50</b>		1	1 unit 1BP

For assembly kits, [see page 19/30](#) onwards.

For accessories, [see page 19/48](#) onwards.

**Power Distribution Boards / Distribution Boards**

ALPHA 630 Distribution Boards

Unequipped Distribution Boards

**Marshaling boxes****Selection and ordering data**

Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
d						
<b>Surface-mounting distribution boards</b>						
Safety class 1						
• Marshaling boxes for supporting the incoming/outgoing cables, option for terminal blocks available						
• Large, foamed front cover with fixing screws						
• Color RAL 7035 (light gray)						
Marshaling box depth in mm	Degree of protection	External dimensions in mm	Panel width			
Height		Width				
210	IP43	350	300	<input type="checkbox"/>	8GK1382-0KK12	1 1 unit 1BP
			550	<input type="checkbox"/>	8GK1382-0KK22	1 1 unit 1BP
			800	<input type="checkbox"/>	8GK1382-0KK32	1 1 unit 1BP
			1050	<input type="checkbox"/>	8GK1382-0KK42	1 1 unit 1BP
			1300	<input type="checkbox"/>	8GK1382-0KK52	1 1 unit 1BP
8GK1382-0KK12						
250	IP55	350	300	<input type="checkbox"/>	8GK1383-0KK13	1 1 unit 1BP
			550	<input type="checkbox"/>	8GK1383-0KK23	1 1 unit 1BP
			800	<input type="checkbox"/>	8GK1383-0KK33	1 1 unit 1BP
			1050	<input type="checkbox"/>	8GK1383-0KK43	1 1 unit 1BP
			1300	<input type="checkbox"/>	8GK1383-0KK53	1 1 unit 1BP
8GK1383-0KK13						
320	IP55	350	300	<input type="checkbox"/>	8GK1383-0KK14	1 1 unit 1BP
			550	<input type="checkbox"/>	8GK1383-0KK24	1 1 unit 1BP
			800	<input type="checkbox"/>	8GK1383-0KK34	1 1 unit 1BP
			1050	<input type="checkbox"/>	8GK1383-0KK44	1 1 unit 1BP
			1300	<input type="checkbox"/>	8GK1383-0KK54	1 1 unit 1BP
8GK1383-0KK14						
Note						
Flanges and 8GK9920-0KK31 connecting kit must be ordered separately, see accessories from page 19/48 onwards.						

**Accessories**

	<b>Longitudinal stays, for marshaling boxes</b>	<b>8GK4855-2KK02</b>	1	1 set	1BP
• Stays are available for mounting in the marshaling boxes					
• Height 300 mm, depth 210 mm / 250 mm / 320 mm					
• 1 set = 2 stays					
	<b>Replacement door for cabinets</b> Height 1950 mm				
Width mm	Door version	Door width mm			
300	Complete	300	<b>8GK9513-8KK10</b>	1	1 unit 1BP
550	Complete	550	<b>8GK9513-8KK20</b>	1	1 unit 1BP
800/1050	Left	525	<b>8GK9513-8KK30</b>	1	1 unit 1BP
800	Right	275	<b>8GK9513-8KK40</b>	1	1 unit 1BP
1050/1300	Right	525	<b>8GK9513-8KK50</b>	1	1 unit 1BP
1300	Left	775	<b>8GK9513-8KK60</b>	1	1 unit 1BP

## Power Distribution Boards / Distribution Boards

### ALPHA 400 Distribution Boards

#### Introduction

##### Overview



##### System

The system comprises unequipped distribution boards as flat pack for surface-mounting distribution boards (delivery in individual parts for self-assembly), unequipped distribution boards welded and riveted for surface-mounting and flush-mounting distribution boards, cabinet-height quick-assembly kits for ultra fast equipping and wiring, assembly kits as well as an extensive range of accessories.

##### Enclosure

- Material: electrogalvanized and powder-coated sheet steel
- Sheet thickness, degree of protection IP43: body 0.75 mm, door 1 mm
- Sheet thickness, degree of protection IP55: body 0.75 mm, door 1 mm
- Color: RAL 9016 (traffic white). Further RAL colors are available on request. [For special colors, see page 19/7.](#)

##### Quick-assembly kits and assembly kits

The assembly kits are made of sendzimir-galvanized sheet steel and are equipped with molded-plastic covers for a wide range of equipping options, e.g. with switching devices and modular installation devices.

The largest controls that can be installed in the ALPHA 400 DIN technology distribution boards are the ALPHA controls up to a rated current of 400 A.

##### Benefits

- Plan and configure quickly, simply and conveniently with the software SIMARIS configuration.
- Types of delivery:
  - Flat pack (assembly kit for self-assembly)
  - Unequipped distribution board, welded and riveted
  - The cabinet-high quick-assembly kits can be mounted directly onto the platform (rear panel)
  - **Additional mounting stays are required for mounting the assembly kits! 2 longitudinal stays per panel width must be ordered separately for the assembly kits.**
- Easy planning thanks to modular design
- Ample wiring space behind the standard mounting rail
- Comprehensive range of cabinet-high and frequently used quick-assembly kits and standard assembly kits for individual and project-related assembly
- Easy assembly thanks to keyhole-fastened components and modules with quick-acting locks
- Fast mounting times thanks to quick-assembly kits
- System concept according to DIN, EN and VDE standards
- Solid sheet-steel enclosure
- Degree of protection: surface-mounting version: IP43 with door, IP55 with door; flush-mounting version: IP31 with door and integrated masking frame
- Safety class 1 (protective conductor connection) or safety class 2 (total insulation)
- High-quality surface finish: distribution boards made of electrogalvanized and powder-coated sheet steel, system components made of sendzimir-galvanized sheet steel, galvanized and transparently chromated small components and screws
- Doors can be hinged on the right or left
- Door opening angle of 180°
- Replaceable locking systems (accessories)
- Front cover with sealable 90° quick-acting locks
- Environmentally-friendly, recyclable plastics.

##### Application

The ALPHA 400 DIN technology distribution boards are used for all applications for which the ALPHA 160 DIN technology distribution boards supplement the distribution board system with a depth of 210 mm.

The ALPHA 400 DIN technology distribution board range comprises wall-mounted distribution boards with up to 9 modular installation devices, each with 12 MW per mounting width (250 mm). The standard mounting rail tier spacing is 125 mm or 150 mm. A total of 5 cabinet mounting widths are available, each with an internal dimension of 250 mm.

The cabinets can be supplied in safety class 1 (protective conductor connection) or safety class 2 (total insulation). The standard degree of protection for surface-mounting distribution boards is IP43 and IP55. The standard degree of protection for flush-mounting distribution boards is IP31. The rated current is 400 A.

**Power Distribution Boards / Distribution Boards**

ALPHA 400 Distribution Boards

**Introduction****Technical specifications**

Overvoltage category	III
Rated impulse withstand voltage $U_{imp}$ in kV	6
Clearance and creepage distances	EN 60664-1
Rated insulation voltage $U_i$ in V	690
Rated operational voltage $U_e$ in V AC/DC	690
Rated voltage $U_n$ (40 Hz to 60 Hz AC) in V	690 for built-in devices
Rated current in A	Up to 400
Rated peak withstand current $I_{pk}$ in kA	Up to 76 (3-pole) <sup>2)</sup>
Rated short-time current $I_{cw}$ in kA	34, conduction interval of 1 s
Protective measures	Safety class 1 (protective conductor connection) Safety class 2 (total insulation)
Number of conductors in the busbar run	4/5
Degree of protection acc. to EN 60529	Surface mounting: IP43 with door, IP55 with door Flush mounting: IP31 with door and integrated masking frame
Standard mounting rail tier spacing per standard mounting rail tier in mm	125/150
Modular width (MW)	18 mm, 12 MW + 1 mountable MW
Pollution degree	3
Ambient temperature in °C	35 (24-h mean value)
Relative air humidity in %	50 at 40 °C
Test specifications	EN 61439-1/-2/-3 (VDE 0660-600-1/-2/-3)
Enclosure	Sheet steel
Mounting dimensions	DIN 43870
Surface	Electrogalvanized and powder-coated
Color	
• Enclosure <sup>1)</sup>	RAL 9016 (traffic white)
• Covers	RAL 7035 (light gray)
Lock	Rotary handle – can be replaced by other locking systems if required
Packing material	Shock-proof, environmentally-friendly

<sup>1)</sup> Further RAL colors are available on request. [For special colors](#), see page [19/7](#).

<sup>2)</sup> Busbar support spacing: 250 mm, Cu busbars 30 mm × 10 mm.

**Cabinet dimensions**

Surface-mounting distribution boards (external dimensions)		Flush-mounting distribution boards with integrated masking frame (external dimensions)		Recess dimensions for flush-mounting distribution boards	
Depth 210 mm		Depth 210 mm		Depth 215 mm	
Height mm	Width mm	Height mm	Width mm	Height mm	Width mm
800	550 800	858	608 858	860	610 860
950	550 800	1008	608 858	1010	610 860
1250	550 800	1308	608 858	1310	610 860
1400	550 800	1458	608 858	1460	610 860

All dimensions in mm.

- Height (internal/external dimensions): 600/650, 750/800, 900/950, 1050/1100, 1200/1250, 1350/1400
- Width (internal/external dimensions): 250/300, 500/550, 750/800, 1000/1050, 1250/1300
- Depth (external dimension): 210

Assembly kits in panel-size grid dimensions height × width:  
150 × 250.

# Power Distribution Boards / Distribution Boards

ALPHA 400 Distribution Boards

Unequipped Distribution Boards

## 8GK1 surface-mounting distribution boards, IP43, flat pack

### Overview

- Types of delivery:
  - Flat pack** (assembly kit for self-assembly)
  - Unequipped distribution board
  - The cabinet-high quick-assembly kits can be mounted directly onto the platform (rear panel)
  - Additional mounting stays are required for mounting the assembly kits! 2 longitudinal stays per panel width must be ordered separately for the assembly kits.**
- Cabinet depth 210 mm
- Degree of protection IP43
- Safety class 1 (protective conductor connection) or safety class 2 (total insulation)
- Color RAL 9016 (traffic white)
- For special colors, see page 19/7
- Unassembled enclosure with unassembled enclosed door and rotary handle, which can be replaced by other locking systems. Distribution boards with a width of 750 mm/800 mm or more will be supplied with a double door
- Flanges: one 1-component flange at the bottom and one 2-component flange at the top per panel width

### Selection and ordering data

Internal/external dimensions		Panel width	Surface-mounting distribution boards, IP43										
Height	Width	d	SD	Safety class 1		PU (UNIT, SET, M)	PS	PG	SD	Safety class 2	PU (UNIT, SET, M)	PS	PG
mm	mm	d		Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU					Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU		
600/650	250/300	<input type="checkbox"/>		<b>8GK1102-2KK12</b>		1	1 unit			<b>8GK1112-2KK12</b>		1	1 unit
	500/550	<input type="checkbox"/>		<b>8GK1102-2KK22</b>		1	1 unit			<b>8GK1112-2KK22</b>		1	1 unit
	750/800	<input type="checkbox"/>		<b>8GK1102-2KK32</b>		1	1 unit			<b>8GK1112-2KK32</b>		1	1 unit
	1000/1050	<input type="checkbox"/>		<b>8GK1102-2KK42</b>		1	1 unit			<b>8GK1112-2KK42</b>		1	1 unit
750/800	250/300	<input type="checkbox"/>		<b>8GK1102-3KK12</b>		1	1 unit			<b>8GK1112-3KK12</b>		1	1 unit
	500/550	<input type="checkbox"/>		<b>8GK1102-3KK22</b>		1	1 unit			<b>8GK1112-3KK22</b>		1	1 unit
	750/800	<input type="checkbox"/>		<b>8GK1102-3KK32</b>		1	1 unit			<b>8GK1112-3KK32</b>		1	1 unit
	1000/1050	<input type="checkbox"/>		<b>8GK1102-3KK42</b>		1	1 unit			<b>8GK1112-3KK42</b>		1	1 unit
900/950	250/300	<input type="checkbox"/>		<b>8GK1102-4KK12</b>		1	1 unit			<b>8GK1112-4KK12</b>		1	1 unit
	500/550	<input type="checkbox"/>		<b>8GK1102-4KK22</b>		1	1 unit			<b>8GK1112-4KK22</b>		1	1 unit
	750/800	<input type="checkbox"/>		<b>8GK1102-4KK32</b>		1	1 unit			<b>8GK1112-4KK32</b>		1	1 unit
	1000/1050	<input type="checkbox"/>		<b>8GK1102-4KK42</b>		1	1 unit			<b>8GK1112-4KK42</b>		1	1 unit
	1250/1300	<input type="checkbox"/>		<b>8GK1102-4KK52</b>		1	1 unit			<b>8GK1112-4KK52</b>		1	1 unit
1050/1100	250/300	<input type="checkbox"/>		<b>8GK1102-5KK12</b>		1	1 unit			<b>8GK1112-5KK12</b>		1	1 unit
	500/550	<input type="checkbox"/>		<b>8GK1102-5KK22</b>		1	1 unit			<b>8GK1112-5KK22</b>		1	1 unit
	750/800	<input type="checkbox"/>		<b>8GK1102-5KK32</b>		1	1 unit			<b>8GK1112-5KK32</b>		1	1 unit
	1000/1050	<input type="checkbox"/>		<b>8GK1102-5KK42</b>		1	1 unit			<b>8GK1112-5KK42</b>		1	1 unit
	1250/1300	<input type="checkbox"/>		<b>8GK1102-5KK52</b>		1	1 unit			<b>8GK1112-5KK52</b>		1	1 unit
1200/1250	250/300	<input type="checkbox"/>		<b>8GK1102-6KK12</b>		1	1 unit			<b>8GK1112-6KK12</b>		1	1 unit
	500/550	<input type="checkbox"/>		<b>8GK1102-6KK22</b>		1	1 unit			<b>8GK1112-6KK22</b>		1	1 unit
	750/800	<input type="checkbox"/>		<b>8GK1102-6KK32</b>		1	1 unit			<b>8GK1112-6KK32</b>		1	1 unit
	1000/1050	<input type="checkbox"/>		<b>8GK1102-6KK42</b>		1	1 unit			<b>8GK1112-6KK42</b>		1	1 unit
	1250/1300	<input type="checkbox"/>		<b>8GK1102-6KK52</b>		1	1 unit			<b>8GK1112-6KK52</b>		1	1 unit
1350/1400	250/300	<input type="checkbox"/>		<b>8GK1102-7KK12</b>		1	1 unit			<b>8GK1112-7KK12</b>		1	1 unit
	500/550	<input type="checkbox"/>		<b>8GK1102-7KK22</b>		1	1 unit			<b>8GK1112-7KK22</b>		1	1 unit
	750/800	<input type="checkbox"/>		<b>8GK1102-7KK32</b>		1	1 unit			<b>8GK1112-7KK32</b>		1	1 unit
	1000/1050	<input type="checkbox"/>		<b>8GK1102-7KK42</b>		1	1 unit			<b>8GK1112-7KK42</b>		1	1 unit
	1250/1300	<input type="checkbox"/>		<b>8GK1102-7KK52</b>		1	1 unit			<b>8GK1112-7KK52</b>		1	1 unit

For quick-assembly kits and assembly kits, see page 19/43.

For accessories, see page 19/48.

**Power Distribution Boards / Distribution Boards**

ALPHA 400 Distribution Boards

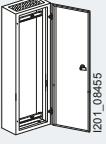
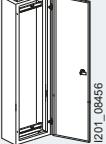
Unequipped Distribution Boards

**8GK1 surface-mounting distribution boards, IP43****Overview**

- Cabinet depth 210 mm
- Degree of protection IP43
- Safety class 1 (protective conductor connection) or safety class 2 (total insulation)
- Color RAL 9016 (traffic white)
- For special colors, see page 19/7

- Enclosure welded and riveted with door and rotary handle, which can be replaced by other locking systems. Distribution boards with a width of 750 mm/800 mm or more will be supplied with a double door
- Flanges: per panel width, one 2-component flange each at the top and bottom

**Selection and ordering data**

Internal/external dimensions		Panel width SD	Surface-mounting distribution boards, IP43, safety class 1				Textured paint, RAL 7035 Article No. <a href="http://www.siemens.com/product">www.siemens.com/product</a> ?Article No.	Special color surcharge
Height mm	Width mm		Standard color, RAL 7035 Article No. <a href="http://www.siemens.com/product">www.siemens.com/product</a> ?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG	
 [201_08453]	250/300	<input type="checkbox"/>	<b>8GK1122-2KA12</b>		1	1 unit	<b>8GK1122-2KA12-Z-C12</b>	✓
	500/550	<input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-2KA22</b>		1	1 unit	<b>8GK1122-2KA22-Z-C12</b>	Ordering example, for further colors, see page 19/7
	750/800	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-2KA32</b>		1	1 unit	<b>8GK1122-2KA32-Z-C12</b>	
	1000/1050	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-2KA42</b>		1	1 unit	<b>8GK1122-2KA42-Z-C12</b>	
 [201_08454]	250/300	<input type="checkbox"/>	<b>8GK1122-3KA12</b>		1	1 unit	<b>8GK1122-3KA12-Z-C12</b>	✓
	500/550	<input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-3KA22</b>		1	1 unit	<b>8GK1122-3KA22-Z-C12</b>	Ordering example, for further colors, see page 19/7
	750/800	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-3KA32</b>		1	1 unit	<b>8GK1122-3KA32-Z-C12</b>	
	1000/1050	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-3KA42</b>		1	1 unit	<b>8GK1122-3KA42-Z-C12</b>	
 [201_08455]	250/300	<input type="checkbox"/>	<b>8GK1122-4KA12</b>		1	1 unit	<b>8GK1122-4KA12-Z-C12</b>	✓
	500/550	<input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-4KA22</b>		1	1 unit	<b>8GK1122-4KA22-Z-C12</b>	Ordering example, for further colors, see page 19/7
	750/800	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-4KA32</b>		1	1 unit	<b>8GK1122-4KA32-Z-C12</b>	
	1000/1050	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-4KA42</b>		1	1 unit	<b>8GK1122-4KA42-Z-C12</b>	
	1250/1300	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-4KA52</b>		1	1 unit	<b>8GK1122-4KA52-Z-C12</b>	
 [201_08456]	250/300	<input type="checkbox"/>	<b>8GK1122-5KA12</b>		1	1 unit	<b>8GK1122-5KA12-Z-C12</b>	✓
	500/550	<input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-5KA22</b>		1	1 unit	<b>8GK1122-5KA22-Z-C12</b>	Ordering example, for further colors, see page 19/7
	750/800	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-5KA32</b>		1	1 unit	<b>8GK1122-5KA32-Z-C12</b>	
	1000/1050	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-5KA42</b>		1	1 unit	<b>8GK1122-5KA42-Z-C12</b>	
	1250/1300	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-5KA52</b>		1	1 unit	<b>8GK1122-5KA52-Z-C12</b>	
 [201_08457]	250/300	<input type="checkbox"/>	<b>8GK1122-6KA12</b>		1	1 unit	<b>8GK1122-6KA12-Z-C12</b>	✓
	500/550	<input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-6KA22</b>		1	1 unit	<b>8GK1122-6KA22-Z-C12</b>	Ordering example, for further colors, see page 19/7
	750/800	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-6KA32</b>		1	1 unit	<b>8GK1122-6KA32-Z-C12</b>	
	1000/1050	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-6KA42</b>		1	1 unit	<b>8GK1122-6KA42-Z-C12</b>	
	1250/1300	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-6KA52</b>		1	1 unit	<b>8GK1122-6KA52-Z-C12</b>	
 [201_08458]	250/300	<input type="checkbox"/>	<b>8GK1122-7KA12</b>		1	1 unit	<b>8GK1122-7KA12-Z-C12</b>	✓
	500/550	<input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-7KA22</b>		1	1 unit	<b>8GK1122-7KA22-Z-C12</b>	Ordering example, for further colors, see page 19/7
	750/800	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-7KA32</b>		1	1 unit	<b>8GK1122-7KA32-Z-C12</b>	
	1000/1050	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-7KA42</b>		1	1 unit	<b>8GK1122-7KA42-Z-C12</b>	
	1250/1300	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>8GK1122-7KA52</b>		1	1 unit	<b>8GK1122-7KA52-Z-C12</b>	

For quick-assembly kits and assembly kits, see page 19/43.

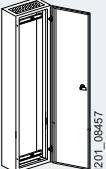
For accessories, see page 19/48.

## Power Distribution Boards / Distribution Boards

ALPHA 400 Distribution Boards

Unequipped Distribution Boards

### 8GK1 surface-mounting distribution boards, IP43

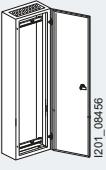
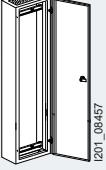
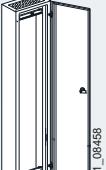
Internal/external dimensions		Panel width	SD	Surface-mounting distribution boards, IP43, safety class 2			Textured paint, RAL 7035		
Height mm	Width mm		d	Standard color, RAL 9010 Article No. <a href="http://www.siemens.com/product">www.siemens.com/ product</a> ?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG	Article No. <a href="http://www.siemens.com/">www.siemens.com/ product</a> ?Article No.
600/650 	250/300 500/550 750/800 1000/1050	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	8GK1132-2KA12 8GK1132-2KA22 8GK1132-2KA32 8GK1132-2KA42	1	1 unit	8GK1132-2KA12-Z-C12 8GK1132-2KA22-Z-C12 8GK1132-2KA32-Z-C12 8GK1132-2KA42-Z-C12			✓
750/800 	250/300 500/550 750/800 1000/1050	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	8GK1132-3KA12 8GK1132-3KA22 8GK1132-3KA32 8GK1132-3KA42	1	1 unit	8GK1132-3KA12-Z-C12 8GK1132-3KA22-Z-C12 8GK1132-3KA32-Z-C12 8GK1132-3KA42-Z-C12			Ordering example, see page 19/7
900/950 	250/300 500/550 750/800 1000/1050 1250/1300	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	8GK1132-4KA12 8GK1132-4KA22 8GK1132-4KA32 8GK1132-4KA42 8GK1132-4KA52	1	1 unit	8GK1132-4KA12-Z-C12 8GK1132-4KA22-Z-C12 8GK1132-4KA32-Z-C12 8GK1132-4KA42-Z-C12 8GK1132-4KA52-Z-C12			✓
1050/1100 	250/300 500/550 750/800 1000/1050 1250/1300	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	8GK1132-5KA12 8GK1132-5KA22 8GK1132-5KA32 8GK1132-5KA42 8GK1132-5KA52	1	1 unit	8GK1132-5KA12-Z-C12 8GK1132-5KA22-Z-C12 8GK1132-5KA32-Z-C12 8GK1132-5KA42-Z-C12 8GK1132-5KA52-Z-C12			Ordering example, see page 19/7
1200/1250 	250/300 500/550 750/800 1000/1050 1250/1300	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	8GK1132-6KA12 8GK1132-6KA22 8GK1132-6KA32 8GK1132-6KA42 8GK1132-6KA52	1	1 unit	8GK1132-6KA12-Z-C12 8GK1132-6KA22-Z-C12 8GK1132-6KA32-Z-C12 8GK1132-6KA42-Z-C12 8GK1132-6KA52-Z-C12			Ordering example, see page 19/7
1350/1400 	250/300 500/550 750/800 1000/1050 1250/1300	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	8GK1132-7KA12 8GK1132-7KA22 8GK1132-7KA32 8GK1132-7KA42 8GK1132-7KA52	1	1 unit	8GK1132-7KA12-Z-C12 8GK1132-7KA22-Z-C12 8GK1132-7KA32-Z-C12 8GK1132-7KA42-Z-C12 8GK1132-7KA52-Z-C12			✓

**Power Distribution Boards / Distribution Boards**ALPHA 400 Distribution Boards  
Unequipped Distribution Boards**8GK1 surface-mounting distribution boards, IP55****Overview**

- Cabinet depth 210 mm
- Degree of protection IP55
- Safety class 1 (protective conductor connection) or safety class 2 (total insulation)
- Color RAL 9016 (traffic white)
- For special colors, see page 19/7

- Enclosure welded and riveted with door and rotary handle, which can be replaced by other locking systems. Distribution boards with a width of 750 mm/800 mm or more will be supplied with a double door
- Flanges: per panel width, one 2-component flange each at the top and bottom

**Selection and ordering data**

Internal/external dimensions	Panel width	SD	Surface-mounting distribution boards, IP55, safety class 1			Textured paint, RAL 7035	
Height	Width	d	Standard color, RAL 9010 Article No. <a href="http://www.siemens.com/product">www.siemens.com/ product</a> ?Article No.	PU (UNIT, SET, M) Price per PU	PS	PG	Article No. <a href="http://www.siemens.com/&lt;br/&gt;product">www.siemens.com/ product</a> ?Article No.
900/950 	250/300 500/550 750/800 1000/1050 1250/1300	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>8GK1123-4KA12</b> <b>8GK1123-4KA22</b> <b>8GK1123-4KA32</b> <b>8GK1123-4KA42</b> <b>8GK1123-4KA52</b>	1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit	<b>8GK1123-4KA12-Z-C12</b> <b>8GK1123-4KA22-Z-C12</b> <b>8GK1123-4KA32-Z-C12</b> <b>8GK1123-4KA42-Z-C12</b> <b>8GK1133-4KA52-Z-C12</b>	✓ Ordering example, for further colors, see page 19/7
1050/1100 	250/300 500/550 750/800 1000/1050 1250/1300	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>8GK1123-5KA12</b> <b>8GK1123-5KA22</b> <b>8GK1123-5KA32</b> <b>8GK1123-5KA42</b> <b>8GK1123-5KA52</b>	1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit	<b>8GK1123-5KA12-Z-C12</b> <b>8GK1123-5KA22-Z-C12</b> <b>8GK1123-5KA32-Z-C12</b> <b>8GK1123-5KA42-Z-C12</b> <b>8GK1123-5KA52-Z-C12</b>	✓ Ordering example, for further colors, see page 19/7
1200/1250 	250/300 500/550 750/800 1000/1050 1250/1300	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>8GK1123-6KA12</b> <b>8GK1123-6KA22</b> <b>8GK1123-6KA32</b> <b>8GK1123-6KA42</b> <b>8GK1123-6KA52</b>	1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit	<b>8GK1123-6KA12-Z-C12</b> <b>8GK1123-6KA22-Z-C12</b> <b>8GK1123-6KA32-Z-C12</b> <b>8GK1123-6KA42-Z-C12</b> <b>8GK1123-6KA52-Z-C12</b>	✓ Ordering example, for further colors, see page 19/7
1350/1400 	250/300 500/550 750/800 1000/1050 1250/1300	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>8GK1123-7KA12</b> <b>8GK1123-7KA22</b> <b>8GK1123-7KA32</b> <b>8GK1123-7KA42</b> <b>8GK1123-7KA52</b>	1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit	<b>8GK1123-7KA12-Z-C12</b> <b>8GK1123-7KA22-Z-C12</b> <b>8GK1123-7KA32-Z-C12</b> <b>8GK1123-7KA42-Z-C12</b> <b>8GK1123-7KA52-Z-C12</b>	✓ Ordering example, for further colors, see page 19/7

For quick-assembly kits and assembly kits, see page 19/43.

For accessories, see page 19/48.

## Power Distribution Boards / Distribution Boards

ALPHA 400 Distribution Boards

Unequipped Distribution Boards

### 8GK1 surface-mounting distribution boards, IP55

Internal/external dimensions		Panel width	Surface-mounting distribution boards, IP55, safety class 2							
Height	Width	d	SD	Standard color, RAL 9010 Article No. <a href="http://www.siemens.com/product">www.siemens.com/product</a> ?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG	Textured paint, RAL 7035 Article No. <a href="http://www.siemens.com/product">www.siemens.com/product</a> ?Article No.	
mm	mm									
 1201_08455	250/300	<input type="checkbox"/>	8GK1133-4KA12		1	1 unit	8GK1133-4KA12-Z-C12			✓
	500/550	<input checked="" type="checkbox"/>	8GK1133-4KA22		1	1 unit	8GK1133-4KA22-Z-C12			Ordering example, for further colors, see page 19/7
	750/800	<input checked="" type="checkbox"/>	8GK1133-4KA32		1	1 unit	8GK1133-4KA32-Z-C12			
	1000/1050	<input checked="" type="checkbox"/>	8GK1133-4KA42		1	1 unit	8GK1133-4KA42-Z-C12			
	1250/1300	<input checked="" type="checkbox"/>	8GK1133-4KA52		1	1 unit	8GK1133-4KA52-Z-C12			
							Article No. plus option -Z-C12			Special color surcharge
 1201_08456	250/300	<input type="checkbox"/>	8GK1133-5KA12		1	1 unit	8GK1133-5KA12-Z-C12			✓
	500/550	<input checked="" type="checkbox"/>	8GK1133-5KA22		1	1 unit	8GK1133-5KA22-Z-C12			Ordering example, for further colors, see page 19/7
	750/800	<input checked="" type="checkbox"/>	8GK1133-5KA32		1	1 unit	8GK1133-5KA32-Z-C12			
	1000/1050	<input checked="" type="checkbox"/>	8GK1133-5KA42		1	1 unit	8GK1133-5KA42-Z-C12			
	1250/1300	<input checked="" type="checkbox"/>	8GK1133-5KA52		1	1 unit	8GK1133-5KA52-Z-C12			
 1201_08457	250/300	<input type="checkbox"/>	8GK1133-6KA12		1	1 unit	8GK1133-6KA12-Z-C12			✓
	500/550	<input checked="" type="checkbox"/>	8GK1133-6KA22		1	1 unit	8GK1133-6KA22-Z-C12			Ordering example, for further colors, see page 19/7
	750/800	<input checked="" type="checkbox"/>	8GK1133-6KA32		1	1 unit	8GK1133-6KA32-Z-C12			
	1000/1050	<input checked="" type="checkbox"/>	8GK1133-6KA42		1	1 unit	8GK1133-6KA42-Z-C12			
	1250/1300	<input checked="" type="checkbox"/>	8GK1133-6KA52		1	1 unit	8GK1133-6KA52-Z-C12			
 1201_08458	250/300	<input type="checkbox"/>	8GK1133-7KA12		1	1 unit	8GK1133-7KA12-Z-C12			✓
	500/550	<input checked="" type="checkbox"/>	8GK1133-7KA22		1	1 unit	8GK1133-7KA22-Z-C12			Ordering example, for further colors, see page 19/7
	750/800	<input checked="" type="checkbox"/>	8GK1133-7KA32		1	1 unit	8GK1133-7KA32-Z-C12			
	1000/1050	<input checked="" type="checkbox"/>	8GK1133-7KA42		1	1 unit	8GK1133-7KA42-Z-C12			
	1250/1300	<input checked="" type="checkbox"/>	8GK1133-7KA52		1	1 unit	8GK1133-7KA52-Z-C12			

Version	SD	Article No. <a href="http://www.siemens.com/product">www.siemens.com/product</a> ?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Longitudinal stays see page 19/60.  8GK4853-8KK02	d					

**Power Distribution Boards / Distribution Boards**

ALPHA 400 Distribution Boards

Unequipped Distribution Boards

**8GK1 surface-mounting distribution boards, IP55**

	Version	SD d	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PE	PU (UNIT, SET, M)	PS	PG	
8GK9510-6KK10	<b>Replacement door for cabinets</b>							
	Height 950 mm							
	Cubicle width mm	Door version	Door width mm					
	300	Complete	300	<b>8GK9510-6KK10</b>		1	1 unit	
	550	Complete	550	<b>8GK9510-6KK20</b>		1	1 unit	
	800/1050	Left	525	<b>8GK9510-6KK31</b>		1	1 unit	
	1300	Left	775	<b>8GK9510-6KK51</b>		1	1 unit	
	800	Right	275	<b>8GK9510-6KK42</b>		1	1 unit	
	1050/1300	Right	525	<b>8GK9510-6KK52</b>		1	1 unit	
	Height 1100 mm							
	Cubicle width mm	Door version	Door width mm					
	300	Complete	300	<b>8GK9510-7KK10</b>		1	1 unit	
	550	Complete	550	<b>8GK9510-7KK20</b>		1	1 unit	
	800/1050	Left	525	<b>8GK9510-7KK31</b>		1	1 unit	
1300	Left	775	<b>8GK9510-7KK41</b>		1	1 unit		
800	Right	275	<b>8GK9510-7KK32</b>		1	1 unit		
1050/1300	Right	525	<b>8GK9510-7KK42</b>		1	1 unit		
Height 1250 mm								
Cubicle width mm	Door version	Door width mm						
300	Complete	300	<b>8GK9510-8KK10</b>		1	1 unit		
550	Complete	550	<b>8GK9510-8KK20</b>		1	1 unit		
800/1050	Left	525	<b>8GK9510-8KK31</b>		1	1 unit		
1300	Left	775	<b>8GK9510-8KK41</b>		1	1 unit		
800	Right	275	<b>8GK9510-8KK32</b>		1	1 unit		
1050/1300	Right	525	<b>8GK9510-8KK52</b>		1	1 unit		
Height 1400 mm								
Cubicle width mm	Door version	Door width mm						
300	Complete	300	<b>8GK9510-8KK16</b>		1	1 unit		
550	Complete	550	<b>8GK9510-8KK26</b>		1	1 unit		
800/1050	Left	525	<b>8GK9510-8KK37</b>		1	1 unit		
1300	Left	775	<b>8GK9510-8KK47</b>		1	1 unit		
800	Right	275	<b>8GK9510-8KK38</b>		1	1 unit		
1050/1300	Right	525	<b>8GK9510-8KK58</b>		1	1 unit		

**Power Distribution Boards / Distribution Boards**

ALPHA 400 Distribution Boards

Unequipped Distribution Boards

**8GK1 surface-mounting distribution boards, IP55**

	Version	SD d	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PE	PU (UNIT, SET, M)	PS	PG
<b>Accessories</b>							
	<b>Longitudinal stays</b>						
	• In order to mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required for each assembly kit width						
	• Depth 210/250/320/400 mm						
	• 1 set = 2 stays						
8GK4853-8KK02	Cubicle depth mm	Length mm					
	210	300	<b>8GK4855-2KK02</b>	1	1 set		
		450	<b>8GK4851-3KK00</b>	1	1 set		
		600	<b>8GK4851-4KK00</b>	1	1 set		
		750	<b>8GK4851-5KK00</b>	1	1 set		
		900	<b>8GK4851-6KK00</b>	1	1 set		
		1050	<b>8GK4851-7KK00</b>	1	1 set		
		1200	<b>8GK4851-8KK00</b>	1	1 set		
		1350	<b>8GK4852-8KK00</b>	1	1 set		
		1800	<b>8GK4853-8KK00</b>	1	1 set		
	250/320/400	1800	<b>8GK4853-8KK02</b>	1	1 set		
	<b>Connecting kits for longitudinal stays</b>						
	• Connecting plate for stays						
	• 1 set = 4 units						
8GK9910-0KK32			<b>8GK9910-0KK32</b>	1	1 unit		

**Power Distribution Boards / Distribution Boards**

ALPHA 400 Distribution Boards

Unequipped Distribution Boards

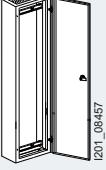
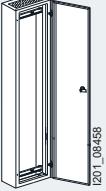
**8GK1 flush-mounting distribution boards, IP31****Overview**

- Cabinet depth 210 mm
- Degree of protection: IP31 (flush-mounting design comes with an integrated masking frame)
- Safety class 1 (protective conductor connection) or safety class 2 (total insulation)
- Color RAL 9016 (traffic white)
- **For special colors, see page 19/7**

- Enclosure with door and rotary handle, which can be replaced by other locking systems. Distribution boards with a width of 750 mm/800 mm or more will be supplied with a double door
- Flanges:
  - Safety class 1 is delivered without flanges.

Note: Wall anchors are included in delivery with flush-mounting distribution boards.

**Selection and ordering data**

Internal/external dimensions	Panel width	SD	Flush-mounting distribution boards, IP31	PU (UNIT, SET, M)	PS	PG
Height mm	Width mm	d	Safety class 1 Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU		
 750/800	500/550	<input type="checkbox"/>	<b>8GK1121-3KK22</b> <b>8GK1121-3KK32</b>	1	1 unit	
	750/800	<input type="checkbox"/> <input type="checkbox"/>				
 900/950	500/550	<input type="checkbox"/>	<b>8GK1121-4KK22</b> <b>8GK1121-4KK32</b>	1	1 unit	
	750/800	<input type="checkbox"/> <input type="checkbox"/>				
 1200/1250	500/550	<input type="checkbox"/>	<b>8GK1121-6KK22</b> <b>8GK1121-6KK32</b>	1	1 unit	
	750/800	<input type="checkbox"/> <input type="checkbox"/>				
 1350/1400	500/550	<input type="checkbox"/>	<b>8GK1121-7KK22</b> <b>8GK1121-7KK32</b>	1	1 unit	
	750/800	<input type="checkbox"/> <input type="checkbox"/>				

For quick-assembly kits and assembly kits, [see page 19/43](#).

For accessories, [see page 19/48](#).

## Power Distribution Boards / Distribution Boards

Assembly Kits for 1250 / 630 / 400 Distribution Boards

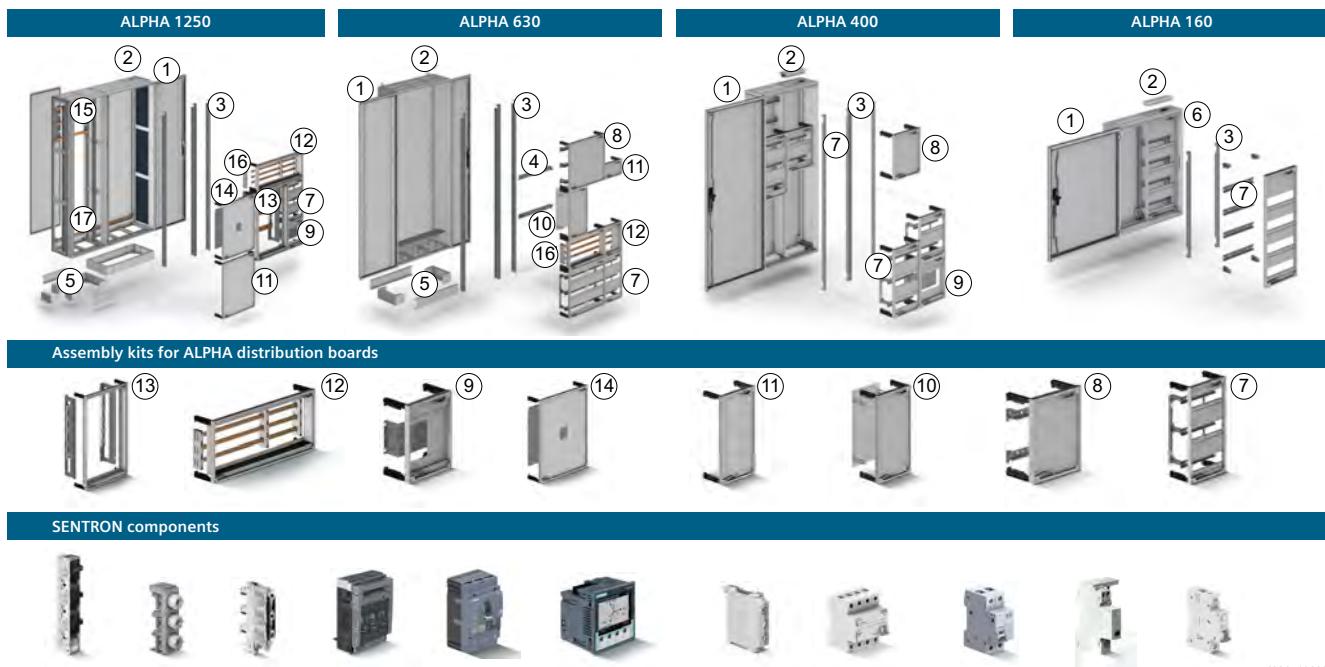
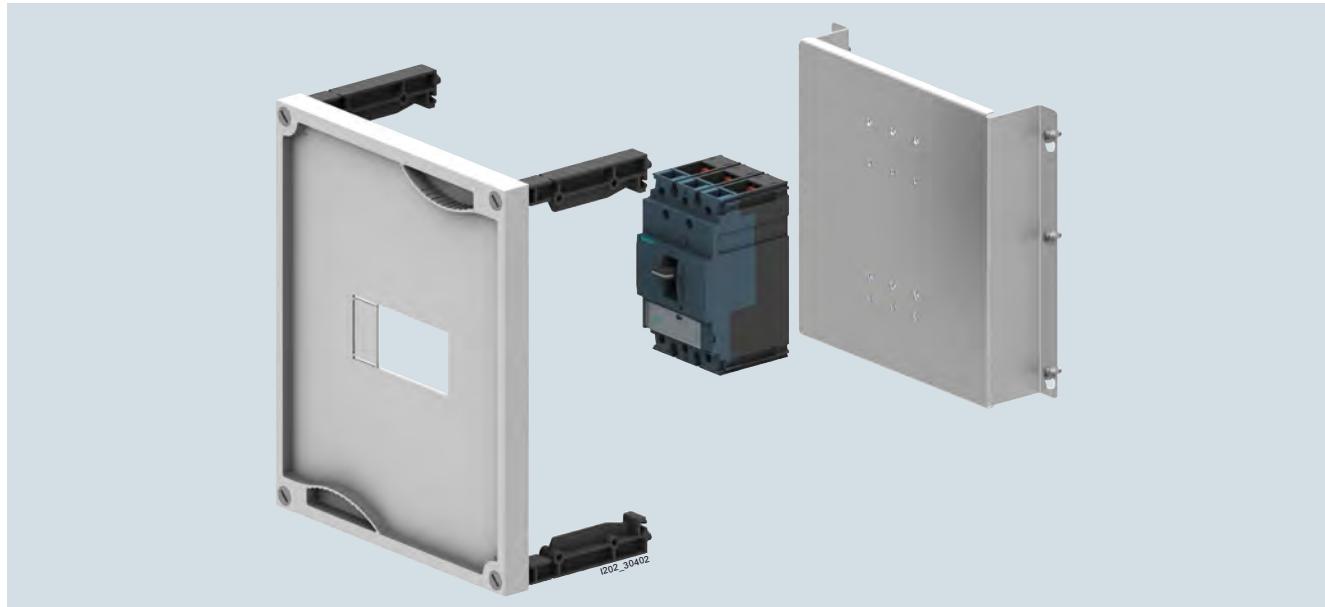
### General

#### Overview

The front cover is sealable as standard and the quick-acting locking connections facilitate fast and reliable attachment to the supports.

Note:

For mounting the assembly kits in the unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately ([see page 19/60](#)).



- ① Enclosure with door
- ② Flange
- ③ Stays
- ④ Crossbeam
- ⑤ Base
- ⑥ Quick-assembly kit

- ⑦ Assembly kit for modular installation devices
- ⑧ Assembly kit for terminal blocks
- ⑨ Assembly kit for fuse switch disconnectors
- ⑩ Assembly kit for mounting plate
- ⑪ Front cover
- ⑫ Assembly kit for busbar-adaptable units

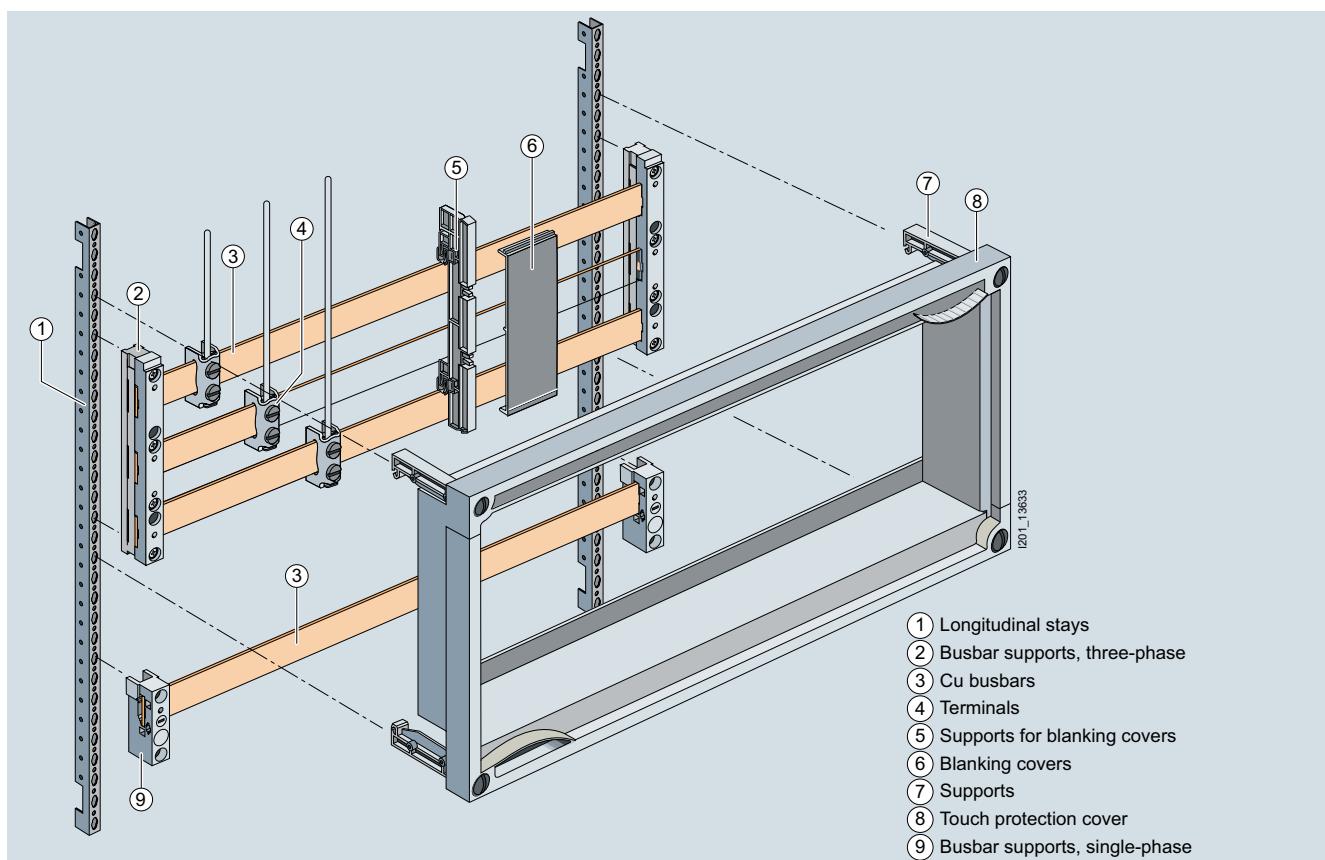
- ⑬ Assembly kit for in-line fuse switch disconnectors
- ⑭ Assembly kit for molded case circuit breakers
- ⑮ Main busbar system
- ⑯ 60 mm busbar system
- ⑰ PEN busbar

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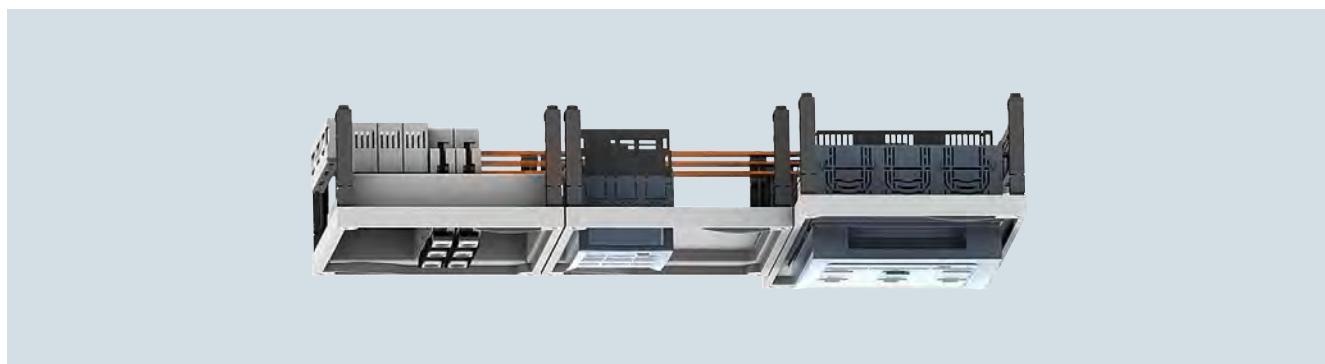
## Power Distribution Boards / Distribution Boards

Assembly Kits for 1250 / 630 / 400 Distribution Boards

### General



Distribution board components of the 8GK4 assembly kits for the SR60 busbar system, 60 mm



The easy-to-install busbar system enables the ALPHA distribution boards to be equipped economically. A host of busbar-adaptable connection, switching and protective devices of various different sizes can be mounted easily and quickly on the standard copper bar. The touch protection is implemented automatically by device-specific front covers.

## Power Distribution Boards / Distribution Boards

Assembly Kits for 1250 / 630 / 400 Distribution Boards

### Assembly kits for unequipped distribution boards

	Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
	d						
<b>Assembly kits for modular installation devices</b>							
<ul style="list-style-type: none"> <li>• Tier spacing of 150 mm, without N/PE bar</li> <li>• Assembly kits for individual and project-related assembly, comprising: device racks, front cover including supports, screws and mounting accessories</li> <li>• Panel-size grid dimensions H x W (mm): 150 x 250</li> <li>• The front cover is sealable as standard and the quick-acting locking connections facilitate fast and reliable attachment to the supports</li> </ul>							
	External dimensions in mm		Tiers/MW				
	Height	Width					
8GK4351-1KK12	150	250 500 750	1/12 1/24 1/36	8GK4351-1KK12 8GK4351-1KK22 8GK4351-1KK32	1 1 1	1 unit 1 unit 1 unit	1BP 1BP 1BP
8GK4351-2KK12	300	250 500 750	2/24 2/48 2/72	8GK4351-2KK12 8GK4351-2KK22 8GK4351-2KK32	1 1 1	1 unit 1 unit 1 unit	1BP 1BP 1BP
8GK4351-3KK12	450	250 500 750	3/36 3/72 3/108	8GK4351-3KK12 8GK4351-3KK22 8GK4351-3KK32	1 1 1	1 unit 1 unit 1 unit	1BP 1BP 1BP
8GK4351-4KK12	600	250 500 750	4/48 4/96 4/144	8GK4351-4KK12 8GK4351-4KK22 8GK4351-4KK32	1 1 1	1 unit 1 unit 1 unit	1BP 1BP 1BP
	Note						
<ul style="list-style-type: none"> <li>• For mounting the assembly kits in the unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 19/60).</li> <li>• The assembly kits with a width of 250 mm are equipped with 7.5 mm standard mounting rails.</li> <li>• The assembly kits with a width of 500 mm/750 mm are equipped with 15 mm standard mounting rails.</li> <li>• For accessories, see page 19/48 onwards.</li> </ul>							

## Power Distribution Boards / Distribution Boards

Assembly Kits for 1250 / 630 / 400 Distribution Boards

### Assembly kits for unequipped distribution boards

	Version	SD d	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
	<b>Assembly kits for horizontal terminal blocks</b> <ul style="list-style-type: none"> <li>Terminal blocks with graded insulation design</li> <li>With closed front cover</li> <li>Assembly kits for individual and project-related assembly, comprising: device racks, front cover including supports, screws and mounting accessories</li> <li>Panel-size grid dimensions H x W (mm): 150 x 250</li> <li>The front cover is sealable as standard and the quick-acting locking connections facilitate fast and reliable attachment to the supports</li> </ul>						
8GK4401-3KK32	External dimensions in mm Height   Width		<b>8GK4401-1KK12</b> <b>8GK4401-2KK12</b> <b>8GK4401-2KK22</b> <b>8GK4401-2KK32</b>  <b>8GK4401-3KK12</b> <b>8GK4401-3KK22</b> <b>8GK4401-3KK32</b>	1 1 1 1  1 1 1	1 unit 1 unit 1 unit 1 unit  1 unit 1 unit 1 unit	1BP 1BP 1BP 1BP  1BP 1BP 1BP	
	Note						
	<ul style="list-style-type: none"> <li>For mounting the assembly kits in the unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 19/60).</li> <li>For accessories, see page 19/48 onwards.</li> </ul>						
	<b>Assembly kits for vertical terminal blocks</b> <ul style="list-style-type: none"> <li>Terminal blocks with insulation design</li> <li>With closed front cover</li> <li>Assembly kits for individual and project-related assembly, comprising: device racks, front cover including supports, screws and mounting accessories</li> <li>Panel-size grid dimensions H x W (mm): 150 x 250</li> <li>The front cover is sealable as standard and the quick-acting locking connections facilitate fast and reliable attachment to the supports</li> </ul>						
8GK4402-4KK12	External dimensions in mm Height   Width		<b>8GK4402-2KK12</b> <b>8GK4402-2KK22</b> <b>8GK4402-2KK32</b>  <b>8GK4402-3KK12</b> <b>8GK4402-3KK22</b> <b>8GK4402-3KK32</b>  <b>8GK4402-4KK12</b> <b>8GK4402-4KK22</b> <b>8GK4402-4KK32</b>	1 1 1  1 1 1  1	1 unit 1 unit 1 unit  1 unit 1 unit 1 unit  1 unit	1BP 1BP 1BP  1BP 1BP 1BP  1BP	
	Note						
	<ul style="list-style-type: none"> <li>For mounting the assembly kits in the unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 19/60).</li> <li>For accessories, see page 19/48 onwards.</li> </ul>						
	<b>Assembly kit front covers, for measuring devices, cutout dimensions 92 mm x 92 mm</b>		<b>8GK4500-2KK20</b>	1	1 unit	1BP	

## Power Distribution Boards / Distribution Boards

Assembly Kits for 1250 / 630 / 400 Distribution Boards

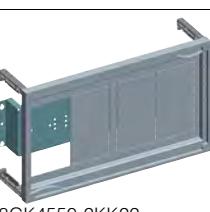
### Assembly kits for unequipped distribution boards

	Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG	
		d						
8GK4501-4KK12	<b>Assembly kits for unequipped panels</b>							
	• Gray							
	• Assembly kits for individual and project-related assembly, comprising: front cover including supports, screws and mounting accessories							
	• Panel-size grid dimensions H × W (mm): 150 × 250							
	• The front cover is sealable as standard and the quick-acting locking connections facilitate fast and reliable attachment to the supports							
	External dimensions in mm							
	Height	Width						
	75	250		<b>8GK4501-0KK12</b>	1	1 unit	1BP	
	500			<b>8GK4501-0KK22</b>	1	1 unit	1BP	
	150	250		<b>8GK4501-1KK12</b>	1	1 unit	1BP	
500			<b>8GK4501-1KK22</b>	1	1 unit	1BP		
750			<b>8GK4501-1KK32</b>	1	1 unit	1BP		
300	250		<b>8GK4501-2KK12</b>	1	1 unit	1BP		
500			<b>8GK4501-2KK22</b>	1	1 unit	1BP		
750			<b>8GK4501-2KK32</b>	1	1 unit	1BP		
450	250		<b>8GK4501-3KK12</b>	1	1 unit	1BP		
500			<b>8GK4501-3KK22</b>	1	1 unit	1BP		
750			<b>8GK4501-3KK32</b>	1	1 unit	1BP		
600	250		<b>8GK4501-4KK12</b>	1	1 unit	1BP		
500			<b>8GK4501-4KK22</b>	1	1 unit	1BP		
750			<b>8GK4501-4KK32</b>	1	1 unit	1BP		
750	250		<b>8GK4501-5KK12</b>	1	1 unit	1BP		
500			<b>8GK4501-5KK22</b>	1	1 unit	1BP		
750			<b>8GK4501-5KK32</b>	1	1 unit	1BP		
<b>Note</b>								
For mounting the assembly kits in the unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 19/60).								
<b>Assembly kits for unequipped panels with deep-drawn cover, 40 mm</b>								
• Assembly kits for individual and project-related assembly, comprising: front cover including supports, screws and mounting accessories								
• Panel-size grid dimensions H × W (mm): 150 × 250								
• The front cover is sealable as standard and the quick-acting locking connections facilitate fast and reliable attachment to the supports								
External dimensions in mm								
Height								
300			<b>8GK4501-2KK13</b>	1	1 unit	1BP		
500			<b>8GK4501-2KK23</b>	1	1 unit	1BP		
750			<b>8GK4501-2KK33</b>	1	1 unit	1BP		
450			<b>8GK4501-3KK13</b>	1	1 unit	1BP		
500			<b>8GK4501-3KK23</b>	1	1 unit	1BP		
750			<b>8GK4501-3KK33</b>	1	1 unit	1BP		
<b>Note</b>								
• For mounting the assembly kits in the unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 19/60).								
• For mounting size 000 fuse switch disconnectors you also need the cover 8GK9912-0KK00 (see page 19/35).								
• For accessories, see page 19/48 onwards.								

# Power Distribution Boards / Distribution Boards

## Assembly Kits for 1250 / 630 / 400 Distribution Boards

### Assembly kits for unequipped distribution boards

	Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
		d					
	<b>Assembly kits with mounting plates</b> <ul style="list-style-type: none"><li>With closed front cover</li><li>Assembly kits for individual and project-related assembly, comprising: mounting plate, front cover including supports, mounting brackets (depth-adjustable), screws and mounting accessories</li><li>Panel-size grid dimensions H x W (mm): 150 x 250</li><li>The front cover is sealable as standard and the quick-acting locking connections facilitate fast and reliable attachment to the supports</li></ul>						
8GK4451-4KK12	<b>External dimensions (mm):</b> Assembly kit Height      Width 300            250      245      207.5 500      457.5 750      707.5  450            250      395      207.5 500      457.5 750      707.5  600            250      545      207.5 500      457.5 750      707.5	<b>Mounting plate dimensions in mm</b> Height      Width 245      207.5 457.5 707.5	<b>8GK4451-2KK12</b> <b>8GK4451-2KK22</b> <b>8GK4451-2KK32</b>  <b>8GK4451-3KK12</b> <b>8GK4451-3KK22</b> <b>8GK4451-3KK32</b>  <b>8GK4451-4KK12</b> <b>8GK4451-4KK22</b> <b>8GK4451-4KK32</b>	1 1 1  1 1 1  1 1 1	1 unit 1 unit 1 unit  1 unit 1 unit 1 unit  1 unit 1 unit 1 unit	1BP 1BP 1BP  1BP 1BP 1BP  1BP 1BP 1BP	
	<b>Note</b> <ul style="list-style-type: none"><li>For mounting the assembly kits in the unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 19/60)</li><li>If the fitted mounting plate extends over several panel widths, it is not possible to place a longitudinal stay in the middle.</li></ul>						
	<b>Cabinet-high mounting plates</b> <ul style="list-style-type: none"><li>With fixing screws</li><li>Sendzimir-galvanized sheet steel</li><li>For mounting on longitudinal stays or the rear panel</li><li>No covers available</li></ul>						
8GK9533-0KK10	<b>Internal dimensions of cabinet in mm</b> Height      Width 1800            250      1680      242 500      492 750      742  1000            1250      992 1242	<b>Mounting plate dimensions in mm</b> Height      Width 1680      242 492 742  992 1242	<b>8GK9533-0KK10</b> <b>8GK9533-0KK20</b> <b>8GK9533-0KK30</b>  <b>8GK9533-0KK40</b> <b>8GK9533-0KK50</b>	1 1 1  1 1	1 unit 1 unit 1 unit  1 unit 1 unit	1BP 1BP 1BP  1BP 1BP	
	<b>Note</b> For mounting on the rear panel you always need a mounting plate in the cabinet width.						
	<b>Assembly kits for 3NP1 fuse switch disconnectors, for mounting on support plates</b> <ul style="list-style-type: none"><li>Assembly kits for individual and project-related assembly, comprising: support plate, front cover including supports, molded-plastic masking frame, screws and mounting accessories</li><li>Panel-size grid dimensions H x W (mm): 150 x 250</li><li>The front cover is sealable as standard and the quick-acting locking connections facilitate fast and reliable attachment to the supports</li></ul>						
8GK4550-2KK22	<b>Number of assembly kits of size</b> 2 x 00/000      2 x 3NP1123... / 3NP1 133...      300      250 4 x 00/000      4 x 3NP1123... / 3NP1 133...      500  1 x 1      1 x 3NP1143...      450      250 2 x 1      2 x 3NP1143...      500  1 x 2      1 x 3NP1153...      450      250 1 x 3      1 x 3NP1163...      500	<b>Fuse switch disconnectors</b> Height in mm      Width in mm	<b>8GK4550-2KK12</b> <b>8GK4550-2KK22</b>  <b>8GK4550-3KK12</b> <b>8GK4550-3KK22</b>  <b>8GK4551-3KK12</b> <b>8GK4551-3KK22</b>  <b>8GK9912-0KK00</b>  <b>8GK9650-0KK00</b> <b>8GK9711-0KK03</b>	1 1  1 1  1 1	1 unit 1 unit  1 unit 1 unit  1 unit 1 unit	1BP 1BP  1BP 1BP  1BP 1BP  1BP	
	<b>Accessories</b> <ul style="list-style-type: none"><li>3NP1123... cover, size 000 (required only for size 000 fuse switch disconnectors)</li><li>Busbar supports<ul style="list-style-type: none"><li>- 40 mm, 5-pole</li><li>- 60 mm, 3-pole</li></ul></li></ul>						
	<b>Note</b> <ul style="list-style-type: none"><li>For mounting the assembly kits in the unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 19/60)</li><li>For mounting size 000 fuse switch disconnectors you also need the cover 8GK9912-0KK00 (see page 19/35).</li><li>For accessories, see page 19/48 onwards.</li></ul>						

## Power Distribution Boards / Distribution Boards

Assembly Kits for 1250 / 630 / 400 Distribution Boards

### Assembly kits for unequipped distribution boards

	Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG																																	
	<b>Assembly kits for 3NP1 fuse switch disconnectors, for mounting on busbars</b> <ul style="list-style-type: none"> <li>Assembly kits for individual and project-related assembly, comprising: front cover including supports, molded-plastic masking frame, screws and mounting accessories</li> <li>Panel-size grid dimensions H x W (mm): 150 x 250</li> <li>The front cover is sealable as standard and the quick-acting locking connections facilitate fast and reliable attachment to the supports</li> </ul> <p><b>Note</b>  <b>The Cu busbar and the busbar supports must be ordered separately (see page 19/48).</b></p> <table border="1"> <thead> <tr> <th>Number of assembly kits of size</th><th>Fuse switch disconnectors</th><th>Height in mm</th><th>Width in mm</th></tr> </thead> <tbody> <tr> <td>2 x 00/000</td><td>2 x 3NP1123 ... / 3NP1133...</td><td>300</td><td>250</td></tr> <tr> <td>4 x 00/000</td><td>4 x 3NP1123 ... / 3NP1133...</td><td>500</td><td></td></tr> <tr> <td>2 x 00/000</td><td>2 x 3NP1123 ... / 3NP1133...</td><td>450</td><td>250</td></tr> <tr> <td>4 x 00/000</td><td>4 x 3NP1123 ... / 3NP1133...</td><td>500</td><td></td></tr> <tr> <td>1 x 1</td><td>1 x 3NP1143...</td><td>450</td><td>250</td></tr> <tr> <td>2 x 1</td><td>2 x 3NP1143...</td><td>500</td><td></td></tr> <tr> <td>1 x 2</td><td>1 x 3NP1153...</td><td>250</td><td></td></tr> </tbody> </table> <p><b>Accessories</b></p> <ul style="list-style-type: none"> <li>3NP1123 ... cover, size 000 (required only for size 000 fuse switch disconnectors)</li> <li>Busbar supports <ul style="list-style-type: none"> <li>- 40 mm, 5-pole</li> <li>- 60 mm, 3-pole</li> </ul> </li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>For mounting the assembly kits in the unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 19/60).</li> <li>For mounting size 000 fuse switch disconnectors you also need the cover 8GK9912-0KK00 (see page 19/35).</li> <li>For accessories, see page 19/48 onwards.</li> </ul>	Number of assembly kits of size	Fuse switch disconnectors	Height in mm	Width in mm	2 x 00/000	2 x 3NP1123 ... / 3NP1133...	300	250	4 x 00/000	4 x 3NP1123 ... / 3NP1133...	500		2 x 00/000	2 x 3NP1123 ... / 3NP1133...	450	250	4 x 00/000	4 x 3NP1123 ... / 3NP1133...	500		1 x 1	1 x 3NP1143...	450	250	2 x 1	2 x 3NP1143...	500		1 x 2	1 x 3NP1153...	250		<b>8GK4650-2KK12</b> <b>8GK4650-2KK22</b> <b>8GK4650-3KK12</b> <b>8GK4650-3KK22</b> <b>8GK4651-3KK12</b> <b>8GK4651-3KK22</b> <b>8GK4652-3KK12</b>	1	1 unit	1BP			
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	<b>Assembly kits for 3VL molded case circuit breakers and 3VT switch disconnectors</b> <ul style="list-style-type: none"> <li>Assembly kits for individual and project-related assembly, comprising: support plate, front cover including supports, screws and mounting accessories</li> <li>Panel-size grid dimensions H x W (mm): 150 x 250</li> <li>The front cover is sealable as standard and the quick-acting locking connections facilitate fast and reliable attachment to the supports</li> </ul> <table border="1"> <thead> <tr> <th>Versions</th><th>External dimensions in mm</th><th>Height</th><th>Width</th></tr> </thead> <tbody> <tr> <td>• 3 and 4-pole, 3VL molded case circuit breakers <ul style="list-style-type: none"> <li>- 1 x 3VL160/3VL160X</li> <li>- 1 x 3VL160X, 1 x 3VL160, 1 x 3VL250</li> <li>- 1 x 3VL400</li> </ul> </td><td>300 450 600</td><td>250</td><td></td></tr> <tr> <td>• 3-pole, 3VL molded case circuit breakers <ul style="list-style-type: none"> <li>- 1 x 3VL630</li> <li>- 1 x 3VL800</li> </ul> </td><td>600</td><td>250</td><td></td></tr> <tr> <td>• 3/4-pole, 3VL molded case circuit breakers <ul style="list-style-type: none"> <li>- 1 x 3VL630</li> <li>- 1 x 3VL800</li> <li>- 1 x 3VL1250/1600</li> </ul> </td><td>600</td><td>500</td><td></td></tr> <tr> <td>• 3 and 4-pole, 3VT switch disconnectors <ul style="list-style-type: none"> <li>- 2 x 3VT 1</li> <li>- 1 x 3VT 2</li> <li>- 1 x 3VT 3</li> </ul> </td><td>300 450 600</td><td>250</td><td></td></tr> <tr> <td>• For installation with mounted RCD module <ul style="list-style-type: none"> <li>- 1 x 3VL160X + RCD</li> <li>- 1 x 3VL160/3VL250 + RCD</li> <li>- 1 x 3VL400 + RCD</li> </ul> </td><td>450 750</td><td>250</td><td></td></tr> </tbody> </table>	Versions	External dimensions in mm	Height	Width	• 3 and 4-pole, 3VL molded case circuit breakers <ul style="list-style-type: none"> <li>- 1 x 3VL160/3VL160X</li> <li>- 1 x 3VL160X, 1 x 3VL160, 1 x 3VL250</li> <li>- 1 x 3VL400</li> </ul>	300 450 600	250		• 3-pole, 3VL molded case circuit breakers <ul style="list-style-type: none"> <li>- 1 x 3VL630</li> <li>- 1 x 3VL800</li> </ul>	600	250		• 3/4-pole, 3VL molded case circuit breakers <ul style="list-style-type: none"> <li>- 1 x 3VL630</li> <li>- 1 x 3VL800</li> <li>- 1 x 3VL1250/1600</li> </ul>	600	500		• 3 and 4-pole, 3VT switch disconnectors <ul style="list-style-type: none"> <li>- 2 x 3VT 1</li> <li>- 1 x 3VT 2</li> <li>- 1 x 3VT 3</li> </ul>	300 450 600	250		• For installation with mounted RCD module <ul style="list-style-type: none"> <li>- 1 x 3VL160X + RCD</li> <li>- 1 x 3VL160/3VL250 + RCD</li> <li>- 1 x 3VL400 + RCD</li> </ul>	450 750	250		<b>8GK4701-2KK12</b> <b>8GK4701-3KK12</b> <b>8GK4702-4KK12</b>  <b>8GK4703-4KK13</b> <b>8GK4704-4KK15</b>  <b>8GK4704-4KK13</b> <b>8GK4704-4KK25</b> <b>8GK4705-4KK25</b>  <b>8GK4710-2KK10</b> <b>8GK4710-3KK10</b> <b>8GK4710-4KK10</b>  <b>8GK4720-3KK10</b> <b>8GK4721-3KK10</b> <b>8GK4720-5KK10</b>  <b>8GK4722-3KK10</b> <b>8GK4722-4KK10</b> <b>8GK4723-4KK10</b> <b>8GK4721-4KK20</b>	1 1 1  1 1  1 1 1  1 1 1  1 1 1  1 1 1  1 1 1  1 1 1  1 1 1	1 unit 1 unit 1 unit  1 unit 1 unit  1 unit 1 unit 1 unit	1BP 1BP 1BP  1BP 1BP  1BP 1BP 1BP  1BP 1BP 1BP  1BP 1BP 1BP  1BP 1BP 1BP  1BP 1BP 1BP  1BP 1BP 1BP  1BP 1BP 1BP  1BP 1BP 1BP  1BP 1BP 1BP											
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## Power Distribution Boards / Distribution Boards

Assembly Kits for 1250 / 630 / 400 Distribution Boards

### Assembly kits for unequipped distribution boards

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<b>8GK4730-3KK10</b>	Note	<ul style="list-style-type: none"> <li>• For mounting the assembly kits in the unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 19/60).</li> </ul>																																																																

<sup>1)</sup> For insulated connection only

<sup>2)</sup> Distribution board depth at least 250 mm

## Power Distribution Boards / Distribution Boards

Assembly Kits for 1250 / 630 / 400 Distribution Boards

### Assembly kits for unequipped distribution boards

	Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG									
d	<b>Assembly kits for 3KD switch disconnectors <span style="background-color: orange; color: white; padding: 2px;">NEW</span></b>	<ul style="list-style-type: none"> <li>• Assembly kits comprising:           <ul style="list-style-type: none"> <li>- Special mounting plates</li> <li>- Front covers</li> </ul> </li> <li>• Assembly kits for 3-pole and 4-pole switch disconnectors</li> </ul>	External dimensions in mm	Height	Width	Number of switch disconnectors										
<b>• With direct operating mechanism</b>																
<b>Size 1-2</b>																
300	250	<ul style="list-style-type: none"> <li>• 2 (size 1, 3-pole devices only)</li> <li>• 1 (size 2)</li> </ul>	<b>8GK4720-2KK10</b>	1	1 unit 1BP											
<b>Size 3</b>																
450	250	<ul style="list-style-type: none"> <li>• 1 (size 3)</li> </ul>	<b>8GK4721-2KK10</b>	1	1 unit 1BP											
<b>• With door-coupling rotary operating mechanism in the front cover</b>																
<b>Size 3-4</b>																
450	500	<ul style="list-style-type: none"> <li>• 1 (size 3-4)</li> <li>• Only for distribution boards from depth 250 mm</li> </ul>	<b>8GK4720-3KK20</b>	1	1 unit 1BP											
<b>Assembly kits for 3KA switch disconnectors on support plate</b>																
<ul style="list-style-type: none"> <li>• Panel-size grid dimensions H × W (mm): 150 × 250</li> <li>• The front cover is sealable as standard and the quick-acting locking connections facilitate fast and reliable attachment to the supports</li> </ul>																
<table border="1"> <thead> <tr> <th>Type</th> <th>Height in mm</th> <th>Width in mm</th> </tr> </thead> <tbody> <tr> <td data-bbox="361 1393 758 1414">• 1 x 3KA 50/51/52/53 (3-pole devices only)</td><td data-bbox="774 1393 806 1414">300</td><td data-bbox="822 1393 853 1414">250</td></tr> <tr> <td data-bbox="361 1414 758 1436">• 1 x 3KA 55/57/58</td><td data-bbox="774 1414 806 1436">500</td><td data-bbox="822 1414 853 1436"></td></tr> </tbody> </table>								Type	Height in mm	Width in mm	• 1 x 3KA 50/51/52/53 (3-pole devices only)	300	250	• 1 x 3KA 55/57/58	500	
Type	Height in mm	Width in mm														
• 1 x 3KA 50/51/52/53 (3-pole devices only)	300	250														
• 1 x 3KA 55/57/58	500															
<b>Note</b> <ul style="list-style-type: none"> <li>• For mounting the assembly kits in the unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 19/60).</li> <li>• For accessories, see page 19/48 onwards.</li> </ul>																
<b>8GK4707-3KK17</b> <b>8GK4707-4KK27</b>																
1	1	unit	1BP													

8GK4707-3KK17

## Power Distribution Boards / Distribution Boards

Assembly Kits for 1250 / 630 / 400 Distribution Boards

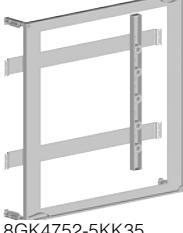
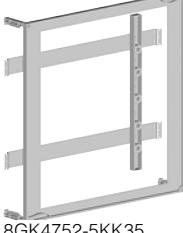
### Assembly kits for unequipped distribution boards

	Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
	d						
<b>Assembly kits for 3KF switch disconnectors with fuses <span style="color: orange;">NEW</span></b>							
<ul style="list-style-type: none"> <li>• Vertical installation</li> <li>• Assembly kits comprising:           <ul style="list-style-type: none"> <li>- Device-specific mounting plates</li> <li>- Front covers</li> <li>- Assembly kits for 3-pole and 4-pole 3KF switch disconnectors with fuses</li> </ul> </li> </ul>							
	Rated current A	Depth (at least) mm	Height mm	Width mm	Operating mecha- nism		
<b>3KF1</b>	80	210	300	250	Front operating mecha- nism, center	<b>8GK4722-2KK10</b>	1    1 unit    1BP
<b>3KF2</b>	160	210	300	500	Front operating mecha- nism, center	<b>8GK4723-2KK10</b>	1    1 unit    1BP
<b>3KF3 / 3KF4</b>	400	320	300	500	Door- coupling rotary operating mecha- nism in front cover	<b>8GK4722-2KK20</b>	1    1 unit    1BP

## Power Distribution Boards / Distribution Boards

Assembly Kits for 1250 / 630 / 400 Distribution Boards

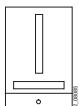
### Assembly kits for unequipped distribution boards

	Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
<b>Assembly kits for 3NJ4 in-line fuse switch disconnectors</b>							
	<ul style="list-style-type: none"> <li>Assembly kits for individual and project-related assembly, comprising: front cover including supports, busbar holders on support plate, screws and mounting accessories</li> <li>Panel-size grid dimensions H × W (mm): 150 × 250</li> <li>The front cover is sealable as standard and the quick-acting locking connections facilitate fast and reliable attachment to the supports</li> <li><b>Note:</b> Values in brackets below apply to bars with fixing claws</li> </ul>	d					
	Versions		External dimensions in mm Height      Width				
	<ul style="list-style-type: none"> <li>Busbar center-to-center spacing of 100 mm, with busbar support           <ul style="list-style-type: none"> <li>- 4 (3) × 3NJ4, size 00</li> <li>- 9 (8) × 3NJ4, size 00</li> <li>- 14 (13) × 3NJ4, size 00</li> </ul> </li> <li>Blanking covers           <ul style="list-style-type: none"> <li>- Size 00</li> </ul> </li> </ul>	600 500 750 299	250 500 750 50	<b>8GK4751-4KK13</b> <b>8GK4751-4KK23</b> <b>8GK4751-4KK33</b>  <b>3NJ4912-2CA00</b>	1 1 1	1 unit 1 unit 1 unit	1BP 1BP 1BP  1DL
 8GK4751-4KK33							
 3NJ4912-2CA00							
 8GK4752-5KK35	<ul style="list-style-type: none"> <li>Busbar center-to-center spacing of 185 mm, with busbar support           <ul style="list-style-type: none"> <li>- 2 × 3NJ4, sizes 1-3</li> <li>- 4 × 3NJ4, size 1-3</li> <li>- 7 × 3NJ4, size 1-3</li> </ul> </li> <li>Blanking covers           <ul style="list-style-type: none"> <li>- Size 00</li> <li>- Sizes 1-3</li> </ul> </li> </ul>	750 750 750 699 699	250 500 750 50 100	<b>8GK4752-5KK15</b> <b>8GK4752-5KK25</b> <b>8GK4752-5KK35</b>  <b>3NJ4912-2AA00</b> <b>3NJ4912-2BA00</b>	1 1 1	1 unit 1 unit 1 unit	1BP 1BP 1BP  1DL
 3NJ4912-2.A00							
Note							
<ul style="list-style-type: none"> <li>Observe max. rated current of 630 A!</li> <li>For mounting the assembly kits in the unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 19/60).</li> <li>The Cu busbar must be ordered separately (see page 19/48).</li> <li>The assembly kits for sizes 1-3 require a mounting depth of 320 mm.</li> <li>If the assembly kits are fully equipped, an incoming feeder bay is required.</li> <li>When mounting the in-line fuse switch disconnectors with 3NJ4911-3AA00 busbar terminals, the assembly kits cannot be fully equipped.</li> <li>For accessories, see page 19/48 onwards.</li> </ul>							

# Power Distribution Boards / Distribution Boards

## Assembly Kits for 1250 / 630 / 400 Distribution Boards

### Assembly kits for unequipped distribution boards

	Version	SD d	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG																
	<b>Assembly kits for busbar-adaptable units, SR60</b> <ul style="list-style-type: none"> <li>• Busbar center-to-center spacing of 60 mm</li> <li>• Assembly kits for individual and project-related assembly, comprising: deep-drawn front cover with supports</li> <li>• Panel-size grid dimensions H × W (mm): 150 × 250</li> <li>• The front cover is sealable as standard and the quick-acting locking connections facilitate fast and reliable attachment to the supports</li> </ul> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="background-color: #e0e0e0;">External dimensions in mm</td> </tr> <tr> <td style="text-align: center;">Height</td> <td style="text-align: center;">Width</td> </tr> <tr> <td>300</td> <td>250</td> </tr> <tr> <td>500</td> <td></td> </tr> <tr> <td>750</td> <td></td> </tr> <tr> <td>450</td> <td>250</td> </tr> <tr> <td>500</td> <td></td> </tr> <tr> <td>750</td> <td></td> </tr> </table> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>• Busbar supports (8GK9711-0KK03) not included in delivery.</li> <li>• Design of the 8GK4 assembly kits for the SR60 busbar system, 60 mm, see page 19/32.</li> <li>• For mounting the assembly kits in the unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 19/60).</li> <li>• The Cu busbar and the busbar supports must be ordered separately (see page 19/48).</li> </ul>	External dimensions in mm		Height	Width	300	250	500		750		450	250	500		750		<b>8GK4801-2KK13</b> <b>8GK4801-2KK23</b> <b>8GK4801-2KK33</b>  <b>8GK4801-3KK13</b> <b>8GK4801-3KK23</b> <b>8GK4801-3KK33</b>	1 1 1  1 1 1	1 unit 1 unit 1 unit  1 unit 1 unit 1 unit	1BP 1BP 1BP  1BP 1BP 1BP		
External dimensions in mm																							
Height	Width																						
300	250																						
500																							
750																							
450	250																						
500																							
750																							
	<b>Supports for blanking covers</b>		<b>8US1922-2EA00</b>		1	4 units	1CU																
	<b>Blanking covers</b>		<b>8US1922-2EB00</b>		1	2 units	1CU																
	<b>Assembly kits for bus-mounting fuse bases for mounting on busbar systems</b> <ul style="list-style-type: none"> <li>• 3-pole</li> <li>• Busbar center-to-center spacing 60 mm</li> <li>• 7 × NEOZED D02</li> <li>• Assembly kits for individual and project-related assembly, comprising: front cover including supports, busbar supports for bus-mounting fuse bases, screws and mounting accessories</li> <li>• Panel-size grid dimensions H × W (mm): 150 × 250</li> <li>• The front cover is sealable as standard and the quick-acting locking connections facilitate fast and reliable attachment to the supports</li> </ul> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="background-color: #e0e0e0;">External dimensions in mm</td> </tr> <tr> <td style="text-align: center;">Height</td> <td style="text-align: center;">Width</td> </tr> <tr> <td>300</td> <td>250</td> </tr> <tr> <td>450</td> <td>250</td> </tr> </table> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>• For mounting the assembly kits in the unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 19/60).</li> <li>• The Cu busbar must be ordered separately (see page 19/48).</li> <li>• For accessories, see page 19/48 onwards.</li> </ul>	External dimensions in mm		Height	Width	300	250	450	250	<b>8GK4801-2KK12</b> <b>8GK4801-3KK12</b>	1 1	1 unit 1 unit	1BP 1BP										
External dimensions in mm																							
Height	Width																						
300	250																						
450	250																						
	<b>Assembly kits, for meter mounting without top and bottom termination area</b> <ul style="list-style-type: none"> <li>• Meter assembly kit including front cover</li> <li>• Not standardized, 375 mm</li> <li>• Height 450 mm (external dimension)</li> <li>• Width 250 mm (external dimension)</li> <li>• Panel-size grid dimensions H × W (mm): 150 × 250</li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>• For mounting the assembly kits in the unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 19/60).</li> <li>• For accessories, see page 19/48.</li> </ul>		<b>8GE3713-4</b>		1	1 unit	1BP																

## Power Distribution Boards / Distribution Boards

Assembly Kits for 1250 / 630 / 400 Distribution Boards

### Assembly kits for unequipped distribution boards

Version	SD d	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
<b>Assembly kits, for meter mounting with top and bottom termination area</b>						
	<b>Meter support plate</b> • H = 450 mm, W = 250 mm	<b>8GS4007-4</b>		1	1 unit	1BP
	<b>Cover for top/bottom termination area</b> • H = 150 mm, W = 250 mm	<b>8GS4006-0</b>		1	1 unit	1BP
	<b>Cover for top/bottom termination area</b> • H = 300 mm, W = 250 mm	<b>8GS4006-5</b>		1	1 unit	1BP
	<b>Front cover support (2 units)</b> • top/bottom termination area	<b>8GS4018-8</b>		1	1 set	1BP
	<b>Standard mounting rail</b> • top/bottom termination area	<b>8GS4010-6</b>		1	1 unit	1BP
	<b>Partition, order in appropriate height for neighboring panel, see page 19/51</b>	<p><b>Note</b></p> <ul style="list-style-type: none"> <li>• Meter support plate cannot be placed on left or right in the cabinet!</li> <li>• A partition is required in the neighboring panel!</li> <li>• For mounting the assembly kits in the unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (see page 19/60)</li> <li>• For accessories, see page 19/48.</li> </ul>				

# Power Distribution Boards / Distribution Boards

## Quick-Assembly Kits for Unequipped Distribution Boards

### 8GK4 quick-assembly kits for modular installation devices

#### Overview

Quick-assembly kits are pre-assembled cabinet-high system components for the most common applications. Such kits already include the longitudinal stays and can be simply

snapped into the unequipped distribution boards of the respective mounting height, thanks to the time-saving quick-locking technology.

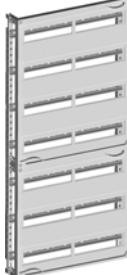
#### Selection and ordering data

	External dimensions		Tiers/ MW	SD	Quick-assembly kits, for modular installation devices						PU (UNIT, SET, M)	PS	PG	SD	Tier spacing of 150 mm, without N/PE bar						PU (UNIT, SET, M)	PS	PG
	Height mm	Width mm			Tier spacing of 125 mm, with N/PE bar		Article No. <a href="http://www.siemens.com/product">www.siemens.com/ product</a> ?Article No.	Price per PU	d				d		Article No. <a href="http://www.siemens.com/product">www.siemens.com/ product</a> ?Article No.	Price per PU							
	mm	mm	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d
	600	250	4/48	500	8/96	<b>8GK4001-4KK11</b> <b>8GK4001-4KK22</b>			1	1 unit	1BP	--											
	750	250	5/60	500	10/120	<b>8GK4001-5KK11</b> <b>8GK4001-5KK22</b>			1	1 unit	1BP	--											
	900	250	6/72	500	12/144	<b>8GK4001-6KK11</b> <b>8GK4003-6KK11</b> (with 2 N/PE bars) <b>8GK4001-6KK22</b>			1	1 unit	1BP	<b>8GK4051-6KK11</b>	--										

## Power Distribution Boards / Distribution Boards

Quick-Assembly Kits for Unequipped Distribution Boards

### 8GK4 quick-assembly kits for modular installation devices

	External dimensions		Tiers/ MW  SD	Quick-assembly kits, for modular installation devices			Tier spacing of 150 mm, without N/PE bar			PU (UNIT, SET, M)  d	PS	PG	SD	PU (UNIT, SET, M)	PS	PG					
	Height mm	Width mm		Tier spacing of 125 mm, with N/PE bar			Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	d						Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU					
	d	d		Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU														
	1050	250	7/84	<b>8GK4001-7KK11</b> <b>8GK4003-7KK11</b> (with 2 N/PE bars) <b>8GK4001-7KK22</b>	1 1	1 unit 1 unit	1BP 1BP	<b>8GK4051-7KK11</b> --		1	1 unit	1BP									
	1200	250	8/96	<b>8GK4001-8KK12</b> <b>8GK4003-8KK12</b> (with 2 N/PE bars) <b>8GK4001-8KK22</b>	1 1	1 unit 1 unit	1BP 1BP	<b>8GK4101-8KK12</b> --		1	1 unit	1BP									
	1350	250	9/108	<b>8GK4002-8KK12</b> <b>8GK4003-8KK13</b> (with 2 N/PE bars) <b>8GK4002-8KK22</b>	1 1	1 unit 1 unit	1BP 1BP	<b>8GK4102-8KK12</b> --		1	1 unit	1BP									
Note		<ul style="list-style-type: none"> <li>The quick-assembly kits with a width of 250 mm are equipped with 7.5 mm standard mounting rails.</li> <li>The quick-assembly kits with a width of 500 mm are equipped with 15 mm standard mounting rails.</li> <li>For accessories, see page 19/48.</li> </ul>																			

# Power Distribution Boards / Distribution Boards

## Quick-Assembly Kits for Unequipped Distribution Boards

### 8GK4 quick-assembly kits for modular installation devices

#### Selection and ordering data

	External dimensions		Tiers terminals/tiers REG/MW	SD d	Quick-assembly kits, for modular installation devices		PU (UNIT, SET, M)	PS	PG
	Height mm	Width mm			Tier spacing of 150 mm, without N/PE bar	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>			
	900	250	2/4/48		<b>8GK4100-6KK12</b>		1	1 unit	1BP
		500	4/8/96		<b>8GK4100-6KK22</b>		1	1 unit	1BP
		750	6/12/144		<b>8GK4100-6KK32</b>		1	1 unit	1BP
	1050	250	2/5/60		<b>8GK4100-7KK12</b>		1	1 unit	1BP
		500	4/10/120		<b>8GK4100-7KK22</b>		1	1 unit	1BP
		750	6/15/180		<b>8GK4100-7KK32</b>		1	1 unit	1BP
	1200	250	2/6/72		<b>8GK4100-8KK12</b>		1	1 unit	1BP
		500	4/12/144		<b>8GK4100-8KK22</b>		1	1 unit	1BP
		750	6/18/216		<b>8GK4100-8KK32</b>		1	1 unit	1BP
	1350	250	3/6/72		<b>8GK4110-8KK12</b>		1	1 unit	1BP
		500	6/12/144		<b>8GK4110-8KK22</b>		1	1 unit	1BP
		750	9/18/216		<b>8GK4110-8KK32</b>		1	1 unit	1BP
<b>Note</b> <ul style="list-style-type: none"> <li>• The quick-assembly kits with a width of 250 mm are equipped with 7.5 mm standard mounting rails.</li> <li>• The quick-assembly kits with a width of 500 mm/750 mm are equipped with 15 mm standard mounting rails.</li> <li>• For accessories, see page 19/48.</li> </ul>									

## Power Distribution Boards / Distribution Boards

### Quick-Assembly Kits for Unequipped Distribution Boards

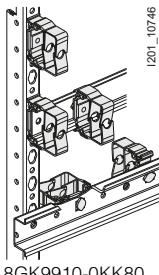
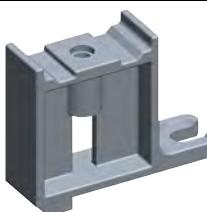
#### 8GK4 quick-assembly kits for modular installation devices

Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG		
<b>For quick-assembly kits and assembly kits</b>								
	d	<b>Mounting plates for telecommunication units</b>						
<ul style="list-style-type: none"> <li>Made of perforated steel plate</li> <li>With insert nuts and quick-locking technology</li> <li>With 1 set of captive nuts size M5, width 250 mm</li> </ul>								
Height in mm								
900		<b>8GS4016-1</b>	1	1 unit	1BP			
1050		<b>8GS4016-2</b>	1	1 unit	1BP			
1200		<b>8GS4016-3</b>	1	1 unit	1BP			
1350		<b>8GS4016-4</b>	1	1 unit	1BP			
8GS4016-1								
<b>Accessories</b>								
		<b>N terminals</b>	▶	<b>8GS4034-1</b>	1	1 unit 1BP		
<ul style="list-style-type: none"> <li>For snap-on mounting onto the standard mounting rail</li> <li>For distributing the neutral conductor when using several RCBBs</li> <li>2 x screw terminal, conductor cross-section max. 16 mm<sup>2</sup></li> <li>14 x plug-in terminal, conductor cross-section max. 4 mm<sup>2</sup></li> </ul>								
8GS4034-1								
		<b>PE terminals</b>	▶	<b>8GS4034-2</b>	1	1 unit 1BP		
<ul style="list-style-type: none"> <li>For snap-on mounting onto the standard mounting rail</li> <li>2 x screw terminal, conductor cross-section max. 16 mm<sup>2</sup></li> <li>14 x plug-in terminal, conductor cross-section max. 4 mm<sup>2</sup></li> </ul>								
8GS4034-2								
		<b>N/PE terminals</b>	▶	<b>8GS4034-3</b>	1	1 unit 1BP		
<ul style="list-style-type: none"> <li>For snap-on mounting onto the standard mounting rail</li> <li>For distributing the neutral conductor when using several RCBBs</li> <li>1 x screw terminal, conductor cross-section max. 16 mm<sup>2</sup><sup>1)</sup></li> <li>7 x plug-in terminal, conductor cross-section max. 4 mm<sup>2</sup><sup>1)</sup></li> </ul>								
Footnote								
1) Per PE or N potential.								
8GS4034-3								
		<b>N/N terminals</b>	▶	<b>8GS4034-4</b>	1	1 unit 1BP		
<ul style="list-style-type: none"> <li>For snap-on mounting onto the standard mounting rail</li> <li>For distributing the neutral conductor when using several RCBBs</li> <li>1 x screw terminal, conductor cross-section max. 16 mm<sup>2</sup><sup>1)</sup></li> <li>7 x plug-in terminal, conductor cross-section max. 4 mm<sup>2</sup><sup>1)</sup></li> </ul>								
Footnote								
1) Per PE or N potential.								
8GS4034-4								
<b>Terminals for circular conductors</b>								
Versions								
		<ul style="list-style-type: none"> <li>Busbar thickness 5 mm <ul style="list-style-type: none"> <li>Conductor cross-section 1.5 ... 16 mm<sup>2</sup></li> <li>Conductor cross-section 1.5 ... 35 mm<sup>2</sup></li> <li>Conductor cross-section 16 ... 70 mm<sup>2</sup></li> <li>Conductor cross-section 16 ... 120 mm<sup>2</sup></li> </ul> </li> </ul>						
8US1921-2AA00...AD00		<b>8US1921-2AA00</b>	100	100 units	1CU			
		<b>8US1921-2AB00</b>	100	50 units	1CU			
		<b>8US1921-2AD00</b>	1	50 units	1CU			
		<b>8US1921-2AC00</b>	1	50 units	1CU			
		<ul style="list-style-type: none"> <li>Busbar thickness 10 mm <ul style="list-style-type: none"> <li>Conductor cross-section 1.5 ... 16 mm<sup>2</sup></li> <li>Conductor cross-section 1.5 ... 35 mm<sup>2</sup></li> <li>Conductor cross-section 16 ... 70 mm<sup>2</sup></li> <li>Conductor cross-section 16 ... 120 mm<sup>2</sup></li> </ul> </li> </ul>						
8US1921-2BA00		<b>8US1921-2BA00</b>	1	100 units	1CU			
		<b>8US1921-2BB00</b>	1	50 units	1CU			
		<b>8US1921-2BD00</b>	1	50 units	1CU			
		<b>8US1921-2BC00</b>	1	50 units	1CU			
		<b>Replacement door hinges</b>	▶	<b>8GK9920-0KK24</b>	1	1 set 1BP		
8GK9920-0KK24		<ul style="list-style-type: none"> <li>For wall/floor-mounted distribution boards</li> <li>1 set = 2 hinges</li> </ul>						

## Power Distribution Boards / Distribution Boards

### Quick-Assembly Kits for Unequipped Distribution Boards

#### 8GK4 quick-assembly kits for modular installation devices

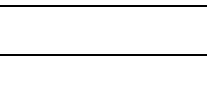
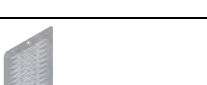
	Version	SD d	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
	<b>Blanking strips</b> Color RAL 7035 (light gray)						
8GK9910-0KK00	<b>Versions</b> <ul style="list-style-type: none"> <li>• For 12 MW (1 MW = 18 mm)</li> <li>• Length 1 m</li> <li>Without pressure-relief joint, to cut to length</li> </ul>		<b>8GK9910-0KK00</b> <b>8GK9910-0KK01</b>	1 1	10 units 1 unit	1BP 1BP	
	<b>Connecting kits, IP43/IP55</b> <ul style="list-style-type: none"> <li>• For side-by-side mounting of enclosures</li> <li>• Comprising: <ul style="list-style-type: none"> <li>- Screws</li> <li>- Washers</li> <li>- Nuts</li> <li>- 10 m roll of sealing strip</li> </ul> </li> </ul>		<b>8GK9920-0KK31</b>	1	1 unit	1BP	
8GK9920-0KK31	<b>Note</b> A bushing flange is required for electrical connections!						
	<b>Cable holders on standard mounting rail</b> <ul style="list-style-type: none"> <li>• Height 45 mm</li> <li>• Width 40 mm</li> </ul>		<b>8GK9910-0KK80</b>	1	200 units	1BP	
8GK9910-0KK80							
	<b>Extra-deep brackets</b> <ul style="list-style-type: none"> <li>• For recessed installation of stand. mounting rails</li> <li>• 1 set = 2 brackets including mounting material</li> </ul>		<b>8GK9910-0KK34</b>	1	1 set	1BP	
8GK9910-0KK34							
	<b>Screws</b> <ul style="list-style-type: none"> <li>• Self-tapping</li> <li>• M5 x 10</li> <li>• Large pack: 500 units</li> </ul>		<b>8GK9911-0KK00</b>	1	500 units	1BP	
8GK9911-0KK00							
	<b>Extra-deep brackets</b> <ul style="list-style-type: none"> <li>• Depth-adjustable</li> <li>• Large pack: 10 units</li> </ul>		<b>8GK9911-0KK01</b>	1	10 units	1BP	
8GK9911-0KK01							
	<b>Drop-down brackets, universal</b> <ul style="list-style-type: none"> <li>• Large pack: 10 units</li> </ul>		<b>8GK9911-0KK02</b>	1	10 units	1BP	
8GK9911-0KK02							
	<b>Iso supports</b> <ul style="list-style-type: none"> <li>• For insulated standard mounting rail assembly</li> </ul> <b>Versions in mm</b> 12 31.5 55.5		<b>8GK9911-0KK04</b> <b>8GK9911-0KK05</b> <b>8GK9911-0KK06</b>	1 1 1	50 units 50 units 50 units	1BP 1BP 1BP	
8GK9911-0KK05							

## Power Distribution Boards / Distribution Boards

### Accessories for ALPHA 1250 / 630 / 400 distribution boards

	Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
	d						
<b>For assembly kits</b>							
<b>Busbar supports</b>							
8GK9650-0KK00	Versions		5SH3540		1	1 unit	1CU
	• 1-pole	- For Cu busbars 12 × 5 (10) mm, 20 × 5 (10) mm, 30 × 5 (10) mm - Height 150 mm					
	• 3-pole	- Busbar center-to-center spacing of 60 mm - For Cu busbars 12 × 5 (10) mm, 20 × 5 (10) mm, 30 × 5 (10) mm - For bus-mounting fuse bases and 3NP4076 switch disconnectors, used together with assembly kits (mounting directly on the stays)	8GK9711-0KK03		1	1 unit	1BP
	• 4-pole	- Busbar center-to-center spacing of 60 mm - For Cu busbars 12 × 5 (10) mm, 30 × 5 (10) mm, - Interior mounting - Width: 20 mm	8US1923-4AA00		1	10 units	1CU
	• 5-pole	- Busbar center-to-center spacing of 40 mm - For Cu busbars 12 × 5 (10) mm and for mounting 3NP fuse switch disconnectors - Height 300 mm	8GK9650-0KK00		1	1 unit	1BP
8GK9711-0KK03	<b>Cu busbars</b>						
	Versions						
	• Cu cross-section of 12 × 5 mm, current 250 A	- Length 250 - Length 500 - Length 750 - Length 1000 - Length 1250	8GK9731-0KK10 8GK9731-0KK20 8GK9731-0KK30 8GK9731-0KK40 8GK9731-0KK50		1	5 units	1BP
	• Cu cross-section of 20 × 5 mm, current 320 A	- Length 250 - Length 500 - Length 750 - Length 1000 - Length 1250	8GK9733-0KK10 8GK9733-0KK20 8GK9733-0KK30 8GK9733-0KK40 8GK9733-0KK50		1	5 units	1BP
	• Cu cross-section of 30 × 5 mm, current 450 A	- Length 250 - Length 500 - Length 750 - Length 1000 - Length 1250	8GK9735-0KK10 8GK9735-0KK20 8GK9735-0KK30 8GK9735-0KK40 8GK9735-0KK50		1	5 units	1BP
8GK973.	• Cu cross-section of 30 × 10 mm, current 630 A	- Length 250 - Length 500 - Length 750 - Length 1000 - Length 1250	8GK9736-0KK10 8GK9736-0KK20 8GK9736-0KK30 8GK9736-0KK40 8GK9736-0KK50		1	5 units	1BP
	<b>Supports for front covers as spare part</b>	• Long version • Material: plastic • 1 set = 4 supports	8GK9910-0KK30		1	5 sets	1BP
	<b>N/PE bars as plug-in terminals</b>						
	Versions		8GK9910-0KK11		1	1 unit	1BP
8GK9910-0KK11	• Each with 6 screw terminals from 2.5 to 16 mm <sup>2</sup> and 21 plug-in terminals from 1.5 to 4 mm <sup>2</sup> for mounting on longitudinal stays at a 30° inclination						
	• With 6 screw terminals from 2.5 to 16 mm <sup>2</sup> and 21 plug-in terminals from 1.5 to 4 mm <sup>2</sup> , for PE bar and one neutral-bar each with 2 screw terminals from 2.5 to 16 mm <sup>2</sup> and 10 plug-in terminals from 1.5 to 4 mm <sup>2</sup> , for mounting on longitudinal stays at a 30° inclination		8GK9910-0KK12		1	1 unit	1BP
8GK9910-0KK26	<b>Quick-lock screws</b>	• Material: plastic • Color RAL 7035	8GK9910-0KK26		1	20 units	1BP

**Power Distribution Boards / Distribution Boards****Accessories for ALPHA 1250 / 630 / 400 distribution boards**

	Version	SD d	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
	<b>Transport eyebolts</b> M12		<b>8GK9918-0KK00</b>			1	1 unit 1BP
8GK9918-0KK00							
	<b>Spare keys</b> For double-bit locking mechanism		<b>8GD9290</b>			1	1 unit 1BP
8GD9290							
	<b>Standard mounting rails, lowered</b>						
	Width						
250 mm			<b>8GK9910-0KK35</b>			1	1 unit 1BP
500 mm			<b>8GK9910-0KK40</b>			1	1 set 1BP
750 mm			<b>8GK9910-0KK41</b>			1	1 set 1BP
	Version	SD d	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
<b>For unequipped distribution boards</b>							
	<b>Wall mounting rails</b>						
8GK9912-0KK10	• For all wall-mounted distribution boards • The distribution board can be quickly and precisely mounted by a single person						
	Length in mm						
250			<b>8GK9912-0KK10</b>			1	1 unit 1BP
500			<b>8GK9912-0KK20</b>			1	1 unit 1BP
750			<b>8GK9912-0KK30</b>			1	1 unit 1BP
1000			<b>8GK9912-0KK40</b>			1	1 unit 1BP
1250			<b>8GK9912-0KK50</b>			1	1 unit 1BP
	<b>Cabinet mounting lugs, flat</b>						
	Versions						
	• For mounting and fixing a distribution board directly against the wall without a clearance (1 set = 4 lugs including screws)		<b>8GK9910-0KK36</b>			1	5 sets 1BP
	• For connecting 2 distribution boards and for mounting and fixing them directly against the wall without a clearance, 8GK9910-0KK36 is additionally required for the ends of a row of distribution boards (1 set = 2 lugs including screws)		<b>8GK9910-0KK37</b>			1	1 set 1BP
	<b>Wall mounting lugs, standard</b>		<b>8GK9920-0KK33</b>			1	1 set 1BP
	• 1 set = 4 units						
	<b>Hollow wall sets</b>		<b>8GK9910-0KK28</b>			1	1 set 1BP
	For fixing flush-mounting distribution boards in hollow walls						
	<b>Ventilation grilles</b>		<b>8GK9120-0KK30</b>			1	4 units 1BP
8GK9120-0KK30							

## Power Distribution Boards / Distribution Boards

### Accessories for ALPHA 1250 / 630 / 400 distribution boards

	Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG		
	d								
<b>Bases for flat pack floor-mounted distribution boards</b>									
External height: 100 mm									
 8GK99010KA12	210	External dimensions in mm Depth   Width	8GK9901-OKK12	1	1 unit	1BP			
			8GK9901-OKK22	1	1 unit	1BP			
		300 550 800 1050 1300	8GK9901-OKK32	1	1 unit	1BP			
			8GK9901-OKK42	1	1 unit	1BP			
		8GK9901-OKK52	8GK9901-OKK52	1	1 unit	1BP			
<b>Bases for pre-assembled (welded) floor-mounted distribution boards</b>									
External height: 100 mm									
 8GK99010KA12	210	External dimensions in mm Depth   Width	8GK9901-OKA12	1	1 unit	1BP			
			8GK9901-OKA22	1	1 unit	1BP			
		300 550 800 1050 1300	8GK9901-OKA32	1	1 unit	1BP			
			8GK9901-OKA42	1	1 unit	1BP			
		8GK9901-OKA52	8GK9901-OKA52	1	1 unit	1BP			
 8GK9900-0KK13	250	External dimensions in mm Depth   Width	8GK9900-OKK13	1	1 unit	1BP			
			8GK9900-OKK23	1	1 unit	1BP			
		300 550 800 1050 1300	8GK9900-OKK33	1	1 unit	1BP			
			8GK9900-OKK43	1	1 unit	1BP			
		8GK9900-OKK53	8GK9900-OKK53	1	1 unit	1BP			
 8GK9900-0KK14	320	External dimensions in mm Depth   Width	8GK9900-OKK14	1	1 unit	1BP			
			8GK9900-OKK24	1	1 unit	1BP			
		300 550 800 1050 1300	8GK9900-OKK34	1	1 unit	1BP			
			8GK9900-OKK44	1	1 unit	1BP			
		8GK9900-OKK54	8GK9900-OKK54	1	1 unit	1BP			
 8GK9902-0KK13	400	External dimensions in mm Depth   Width	8GK9902-OKK13	1	1 unit	1BP			
			8GK9902-OKK23	1	1 unit	1BP			
		300 550 800 1050 1300	8GK9902-OKK33	1	1 unit	1BP			
			8GK9902-OKK43	1	1 unit	1BP			
		8GK9902-OKK53	8GK9902-OKK53	1	1 unit	1BP			
 8GK9100-0KK04		<b>Flange plates</b> • Degree of protection IP55 • Safety class 1 • For cabinet depth 320 mm, if center plate is removed • Sheet steel, without knockouts	8GK9100-OKK04	1	1 unit	1BP			

**Power Distribution Boards / Distribution Boards****Accessories for ALPHA 1250 / 630 / 400 distribution boards**

	Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
	d						
	<b>Partitions</b> <ul style="list-style-type: none"><li>For 210 mm depth<ul style="list-style-type: none"><li>For the visual and spatial separation of different potentials</li><li>Material: plastic</li><li>For mounting depth 210 mm</li></ul></li></ul>						
8GK9301-2KK01	Versions <ul style="list-style-type: none"><li>Vertical<ul style="list-style-type: none"><li>Height 300 mm</li><li>Height 450 mm</li><li>Height 600 mm</li><li>Height 750 mm</li><li>Height 900 mm</li><li>Height 1050 mm</li><li>Height 1200 mm</li><li>Height 1350 mm</li></ul></li><li>Horizontal<ul style="list-style-type: none"><li>Width 250 mm</li><li>Width 500 mm</li><li>Width 750 mm</li></ul></li></ul>		<b>8GK9301-2KK01</b> <b>8GK9301-3KK01</b> <b>8GK9101-4KK01</b>  <b>8GK9101-5KK01</b> <b>8GK9101-6KK01</b> <b>8GK9101-7KK01</b>  <b>8GK9101-8KK01</b> <b>8GK9102-8KK01</b>	1 1 1  1 1 1  1 1	1 unit 1 unit 1 unit  1 unit 1 unit 1 unit  1 unit 1 unit	1BP 1BP 1BP  1BP 1BP 1BP  1BP 1BP	
							
8GK9103-0KK10			<b>8GK9103-0KK10</b> <b>8GK9103-0KK20</b> <b>8GK9103-0KK30</b>	1 1 1	1 unit 1 unit 1 unit	1BP 1BP 1BP	
	<ul style="list-style-type: none"><li>For 250/320 mm depth<ul style="list-style-type: none"><li>Sheet steel</li></ul></li></ul>						
8GK9520-8KK00	Versions <ul style="list-style-type: none"><li>Vertical<ul style="list-style-type: none"><li>(Vertical separation for 320 mm depth only: at a depth of 250 mm, the stays reach the rear panel)<ul style="list-style-type: none"><li>Height 1800 mm</li></ul></li></ul></li></ul>		<b>8GK9520-8KK00</b>	1	1 unit	1BP	
	<ul style="list-style-type: none"><li>Horizontal<ul style="list-style-type: none"><li>(For 250 mm depth: push separation back to break it off)<ul style="list-style-type: none"><li>Width 250 mm</li><li>Width 500 mm</li></ul></li></ul></li></ul>		<b>8GK9520-0KK10</b> <b>8GK9520-0KK20</b>	1 1	1 unit 1 unit	1BP 1BP	
8GK9520-0KK20							
	<ul style="list-style-type: none"><li>For 400 mm depth</li></ul>						
8GK9521-8KK00	Versions <ul style="list-style-type: none"><li>Vertical, height 1800 mm</li></ul>		<b>8GK9521-8KK00</b>	1	1 unit	1BP	
	<ul style="list-style-type: none"><li>Horizontal, width 250 mm</li></ul>		<b>8GK9520-0KK30</b>	1	1 unit	1BP	
8GK9520-0KK30							

## Power Distribution Boards / Distribution Boards

### Accessories for ALPHA 1250 / 630 / 400 distribution boards

	Version	SD d	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
<b>Circuit diagram pockets</b>							
	Versions						
	8GK9910-0KK22		<b>8GK9910-0KK22</b>		1	1 unit	1BP
	8GK9910-0KK23		<b>8GK9910-0KK23</b>		1	20 units	1BP
	8GD9132		<b>8GD9132</b>		1	1 unit	1BP
<b>Locking systems wall-mounted distribution boards</b>							
	Versions						
	8GK9560-0KK04		<b>8GK9560-0KK04</b>		1	1 unit	1BP
	8GK9560-0KK05		<b>8GK9560-0KK05</b>		1	1 set	1BP
	8GK9560-0KK06		<b>8GK9560-0KK06</b>		1	1 unit	1BP
	Accessories						
	Spare key for E012 lock		<b>8GF9390-2</b>		1	1 unit	1BP

**Power Distribution Boards / Distribution Boards****Accessories for ALPHA 1250 / 630 / 400 distribution boards**

	Version	SD d	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
<b>Profile semicylinders</b>							
8GK9560-0KK07	Versions • With E012 lock and two keys		<b>8GK9560-0KK07</b>		1	1 unit	1BP
8GK9560-0KK08	• With Senat tumbler and two keys		<b>8GK9560-0KK08</b>		1	1 unit	1BP
8GK9560-0KK10	• With 3-mm pin as double-bit lock		<b>8GK9560-0KK10</b>		1	1 unit	1BP
<b>Locking systems floor-mounted distribution boards</b>							
8GK9560-0KK04	Versions • Standard locking devices - Made of plastic - Color: black - With rotary handle for wall-mounted distribution board, degree of protection IP43 - Cannot be retrofitted to other locking devices		<b>8GK9560-0KK04</b>		1	1 unit	1BP
8GK9561-0KK01	Versions • For 210 mm depth • For 250/320/400 mm depth • Rotary handles - Can be recessed, with pushbutton technique		<b>8GK9561-0KK01</b>		1	1 unit	1BP
8GK9561-0KK02	• Lock insert - For installation of profile semicylinders		<b>8GK9561-0KK02</b>		1	1 unit	1BP
8GK9561-0KK00	• Profile semicylinders, 40 mm, with E012 lock and 2 keys - With insert for the rotary handle - Only to be used together with the lock insert (this must be ordered separately)		<b>8GK9561-0KK00</b>		1	1 unit	1BP
8GK9561-0KK03	• Profile semicylinder with Senat tumbler		<b>8GK9560-0KK03</b>		1	1 unit	1BP
8GK9561-0KK02	Accessories Spare key for E012 lock		<b>8GF9390-2</b>		1	1 unit	1BP
8GK9561-0KK00							
<b>Crossbeams</b>							
8GK4853-0KK20	Versions • Width 500 mm • Width 750 mm		<b>8GK4853-0KK20</b> <b>8GK4853-0KK30</b>		1	2 units	1BP
8GK4853-0KK20					1	2 units	1BP

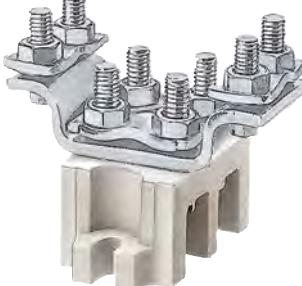
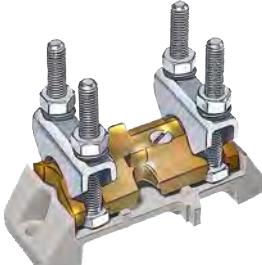
## Power Distribution Boards / Distribution Boards

### Accessories for ALPHA 1250 / 630 / 400 distribution boards

	Version	SD d	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
	<b>Cable clamping rails</b> <ul style="list-style-type: none"><li>For strain relief</li><li>C-profile 30 mm x 15 mm</li></ul>						
8GK9911-0KK10	Width in mm						
	250		<b>8GK9911-0KK10</b>	1	1 unit	1BP	
	500		<b>8GK9911-0KK20</b>	1	1 unit	1BP	
	750		<b>8GK9911-0KK30</b>	1	1 unit	1BP	
	1000		<b>8GK9911-0KK40</b>	1	1 unit	1BP	
	1250		<b>8GK9911-0KK50</b>	1	1 unit	1BP	
	<b>3NP1123 ... covers, size 000</b>		<b>8GK9912-0KK00</b>	1	1 unit	1BP	
8GK9912-0KK00							
	<b>Flanges</b> For fast and correct wiring						
8GK9100-0KK01	Versions		<b>8GK9100-0KK00</b>	1	1 unit	1BP	
	• 1-component flanges (for IP43 distribution boards, installed on bottom panel) <ul style="list-style-type: none"><li>For bottom cable entry, with 11 possible knockouts</li><li>Max. Ø 50.5 mm, plastic</li></ul>						
8GK9100-0KK03	• 2-component flanges (degree of protection: IP55) <ul style="list-style-type: none"><li>For top/bottom cable entry</li><li>With 44 possible knockouts</li><li>Comprising 2 elastic components</li></ul>		<b>8GK9100-0KK01</b>	1	1 unit	1BP	
8GK9100-0KK10	• Flange plate made of sheet steel (only safety class 1) <ul style="list-style-type: none"><li>For metric screw connections, degree of protection: IP55 (2 units)</li></ul>		<b>8GK9100-0KK03</b>	1	1 unit	1BP	
	• Connecting flanges		<b>8GK9100-0KK10</b>	1	1 unit	1BP	
	<b>Ventilation grilles</b>		<b>8GK9120-0KK30</b>	1	4 units	1BP	
8GK9120-0KK30							
	Version	SD d	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
	<b>Rubber cable entries</b> <ul style="list-style-type: none"><li>For inserting in Ø 38 mm knockouts (= Pg29)</li><li>IP65</li></ul>						
8HP1805	Number	Cross-section	<b>8HP1805</b>	1	10 units	1BR	
	1	Ø 12 ... 29 mm					
8HP1806	2	Ø 6 ... 15 mm	<b>8HP1806</b>	1	10 units	1BR	
8HP1807	3	Ø 4 ... 12.5 mm	<b>8HP1807</b>	1	10 units	1BR	
8HP1808	4	Ø 4 ... 12 mm	<b>8HP1808</b>	1	10 units	1BR	
	<b>Cable entries for cable entry plate</b> <ul style="list-style-type: none"><li>For cables Ø 14 mm ... 65 mm</li><li>Suitable for 8HP1520 cable entry plate</li></ul>		<b>8HC6900</b>		on request		
8HC6900							

## Power Distribution Boards / Distribution Boards

## Accessories for ALPHA 1250 / 630 / 400 distribution boards

	Version	d	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
<b>Bases made of glass-fiber reinforced polyester resin</b>								
Incoming cables      Outgoing cables								
	Number	Cross-section in mm <sup>2</sup>	Number	Cross-section in mm <sup>2</sup>				
	1	6 ... 70	1	6 ... 70	<b>8JK401</b>		1	1 unit 1BR
8JK401								
	1	4 ... 35	3	4 ... 35	<b>8JH4044</b>		1	1 unit 1BR
8JH4044								
	1	50 ... 240	1	50 ... 240	<b>8JK4061</b>		1	1 unit 1BR
8JK4061								
	2	50 ... 240	2	50 ... 185	<b>8JK406</b>		1	1 unit 1BR
8JK406								
<b>Incoming and outgoing terminals, for busbars 16 mm x 3 mm</b>								
Suitable for DIAZED bus-mounting rails and connecting kits								
	Conductor cross-section in mm <sup>2</sup> (solid or stranded)							
	1.5 ... 16				<b>8JH4122</b>		1	10 units 1BR
8JH4122	10 ... 35				<b>8JH4124</b>		1	10 units 1BR
	16 ... 50				<b>8JH4125</b>		1	10 units 1BR
	10 ... 70				<b>8JK3441</b>		1	1 unit 1BR

## Power Distribution Boards / Distribution Boards

### Accessories for ALPHA 1250 / 630 / 400 distribution boards

	Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG																								
	d																														
<b>Incoming and outgoing terminals</b>																															
<ul style="list-style-type: none"> <li>• For busbars 6 mm × 6 mm           <table border="1"> <tr> <td>Conductor cross-section in mm<sup>2</sup> (solid or stranded)</td> <td colspan="2">16 ... 35 (can be retrofitted without dismantling the busbar)</td> <td><b>8JH4114</b></td> <td colspan="4">1 10 units 1BR</td> </tr> </table> </li> </ul>								Conductor cross-section in mm <sup>2</sup> (solid or stranded)	16 ... 35 (can be retrofitted without dismantling the busbar)		<b>8JH4114</b>	1 10 units 1BR																			
Conductor cross-section in mm <sup>2</sup> (solid or stranded)	16 ... 35 (can be retrofitted without dismantling the busbar)		<b>8JH4114</b>	1 10 units 1BR																											
	8JH4114																														
<ul style="list-style-type: none"> <li>• For busbars 20 mm × 8 mm or 2 × (20 mm × 8 mm)           <table border="1"> <tr> <td>Conductor cross-section in mm<sup>2</sup> (solid or stranded)</td> <td>Clamping points</td> <td>Conductors per clamping point</td> <td><b>8JK3171</b></td> <td colspan="4">1 1 unit 1BR</td> </tr> <tr> <td>50 ... 240</td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>50 ... 240</td> <td>1</td> <td>2</td> <td><b>8JK3172</b></td> <td colspan="4">1 1 unit 1BR</td> </tr> </table> </li> </ul>								Conductor cross-section in mm <sup>2</sup> (solid or stranded)	Clamping points	Conductors per clamping point	<b>8JK3171</b>	1 1 unit 1BR				50 ... 240	1	1						50 ... 240	1	2	<b>8JK3172</b>	1 1 unit 1BR			
Conductor cross-section in mm <sup>2</sup> (solid or stranded)	Clamping points	Conductors per clamping point	<b>8JK3171</b>	1 1 unit 1BR																											
50 ... 240	1	1																													
50 ... 240	1	2	<b>8JK3172</b>	1 1 unit 1BR																											
	8JK3171																														
	8JK3172																														
<ul style="list-style-type: none"> <li>• For busbars 12 mm × 5 mm or 2 × (12 mm × 5 mm)           <table border="1"> <tr> <td>Conductor cross-section in mm<sup>2</sup> (solid or stranded)</td> <td>one bar</td> <td>two bars</td> <td><b>8JH4104</b></td> <td colspan="4">1 10 units 1BR</td> </tr> <tr> <td>10 ... 35</td> <td>--</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>16 ... 70</td> <td>16 ... 35</td> <td></td> <td><b>8JH4105</b></td> <td colspan="4">1 10 units 1BR</td> </tr> </table> </li> </ul>								Conductor cross-section in mm <sup>2</sup> (solid or stranded)	one bar	two bars	<b>8JH4104</b>	1 10 units 1BR				10 ... 35	--							16 ... 70	16 ... 35		<b>8JH4105</b>	1 10 units 1BR			
Conductor cross-section in mm <sup>2</sup> (solid or stranded)	one bar	two bars	<b>8JH4104</b>	1 10 units 1BR																											
10 ... 35	--																														
16 ... 70	16 ... 35		<b>8JH4105</b>	1 10 units 1BR																											
	8JH4104																														
	8JH4105																														

## Power Distribution Boards / Distribution Boards

## Accessories for ALPHA 1250 / 630 / 400 distribution boards

	Version	SD d	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
	<b>• For busbars 30 mm × 10 mm or 2 × (30 mm × 10 mm);</b> Conductor cross-section in mm <sup>2</sup> (solid or stranded)						
8JK3544	 10 ... 70	In the case of double busbars, divide the terminals alternately between the two bars in order to even the load	<b>8JK3544</b>		1	1 unit	1BR
8HP1724	 M12, up to 2 × 240	Cable lug or bar connection	<b>8HP1724</b>		1	1 unit	1BR
	<b>Extension terminals</b>						
8JK3201	 Bar in mm <sup>2</sup> • 12 × 5 2 × (12 × 5)	• 1 set = 2 terminals • When using single busbars, a copper connecting piece 12 × 5 mm must be made • When using 2 × Cu (12 × 5) mm the bars overlap in the area of the connection point	<b>8JK3201</b>		1	10 sets	1BR
8JK3281	 • 20 × 8 2 × (20 × 8)	• 1 set = 2 terminals • When using single busbars, a copper connecting piece 20 × 8 mm must be made • When using 2 × Cu (20 mm × 8 mm), the bars overlap in the area of the connection point.	<b>8JK3281</b>		1	1 unit	1BR
8HP1728	 • 2 × (30 × 10)	--	<b>8HP1728</b>		1	1 unit	1BR
8HE8541	 <b>Breathers, PG 16</b> • In the case of distribution boards used in an external environment – outside or in rooms with extreme temperature fluctuations – the breathers must be installed as low as possible on the underside of the distribution board to prevent condensation water forming • Degree of protection IP54		<b>8HE8541</b>			on request	
	<b>8HP fixing lugs</b> • 1 set = 4 lugs • For individual enclosures and small distribution boards complete with cylinder head screws M6 x 35		<b>8HC3800</b>			on request	

## Power Distribution Boards / Distribution Boards

### Accessories for ALPHA 1250 / 630 / 400 distribution boards

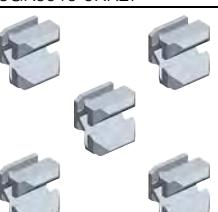
	Version	SD	Article No. <a href="http://www.siemens.com/product">www.siemens.com/ product</a> ?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
	d						
<b>Ceramic bases</b>							
	Incoming cables Number	Cross-section in mm <sup>2</sup>	Outgoing cables Number	Cross-section in mm <sup>2</sup>			
 8JH404	1	4 ... 35	1	4 ... 35	<b>8JH404</b>	1	1 unit 1BR
	Version	SD	Article No. <a href="http://www.siemens.com/product">www.siemens.com/ product</a> ?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
	d						
<b>Unequipped distribution boards and partially equipped distribution boards</b>							
<b>Hollow wall sets</b> For fixing flush-mounting distribution boards in hollow walls			<b>8GK9910-0KK28</b>		1	1 set	1BP
<b>SIEMENS</b> 8GD9084	<b>Siemens nameplate</b>	• Made of aluminum • Self-adhesive • Color: petrol	<b>8GD9084</b>		1	1 unit	1BP
 8GK9910-0KK11	<b>N/PE bars as plug-in terminals</b>		<b>8GK9910-0KK11</b>		1	1 unit	1BP
	Versions		<b>8GK9910-0KK12</b>		1	1 unit	1BP
	<ul style="list-style-type: none"> <li>Each with six screw terminals from 2.5 to 16 mm<sup>2</sup> and 21 plug-in connections from 1.5 to 4 mm<sup>2</sup> for mounting on longitudinal stays at a 30° inclination</li> <li>With six screw terminals from 2.5 to 16 mm<sup>2</sup> and 21 plug-in connections from 1.5 to 4 mm<sup>2</sup>, for PE bar and one N bar each with two screw terminals from 2.5 to 16 mm<sup>2</sup> and 10 plug-in connections from 1.5 to 4 mm<sup>2</sup>, for mounting on longitudinal stays at a 30° inclination</li> </ul>						

## Power Distribution Boards / Distribution Boards

Accessories

## Accessories – ordering large quantities

## Selection and ordering data

	Version	d	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
<b>For front covers</b>								
	<b>Front covers, closed</b> <ul style="list-style-type: none"><li>Front covers in large order quantities (Big Pack)</li><li>Tier spacing: 150</li></ul>	<b>External dimensions in mm</b> Height      Width	<b>8GK9601-0KK10</b>	1	10 units	1BP		
8GK9601-4KK10								
		75      250	<b>8GK9601-1KK10</b>	1	10 units	1BP		
		150      250	<b>8GK9601-1KK20</b>	1	10 units	1BP		
		500      250	<b>8GK9601-1KK30</b>	1	10 units	1BP		
		750      250						
		300      250	<b>8GK9601-2KK10</b>	1	10 units	1BP		
		500      250	<b>8GK9601-2KK20</b>	1	10 units	1BP		
		750      250	<b>8GK9601-2KK30</b>	1	10 units	1BP		
		450      250	<b>8GK9601-3KK10</b>	1	10 units	1BP		
		500      250	<b>8GK9601-3KK20</b>	1	10 units	1BP		
		750      250	<b>8GK9601-3KK30</b>	1	10 units	1BP		
		600      250	<b>8GK9601-4KK10</b>	1	10 units	1BP		
		500      250	<b>8GK9601-4KK20</b>	1	10 units	1BP		
		750      250	<b>8GK9601-4KK30</b>	1	10 units	1BP		
<b>Front covers, with cutout</b>								
	<b>External dimensions in mm</b> Height      Width	<b>Tiers/MW</b>	<b>8GK9601-1KK11</b>	1	10 units	1BP		
8GK9601-4KK11								
	150      250	1/12	<b>8GK9601-1KK21</b>	1	10 units	1BP		
	500      250	1/24	<b>8GK9601-1KK31</b>	1	10 units	1BP		
	750      250	1/36						
	300      250	2/24	<b>8GK9601-2KK11</b>	1	10 units	1BP		
	500      250	2/48	<b>8GK9601-2KK21</b>	1	10 units	1BP		
	750      250	2/72	<b>8GK9601-2KK31</b>	1	10 units	1BP		
	450      250	3/36	<b>8GK9601-3KK11</b>	1	10 units	1BP		
	500      250	3/72	<b>8GK9601-3KK21</b>	1	10 units	1BP		
	750      250	3/108	<b>8GK9601-3KK31</b>	1	10 units	1BP		
	600      250	4/48	<b>8GK9601-4KK11</b>	1	10 units	1BP		
	500      250	4/96	<b>8GK9601-4KK21</b>	1	10 units	1BP		
	750      250	4/144	<b>8GK9601-4KK31</b>	1	10 units	1BP		
<b>For assembly kits</b>								
	<b>Supports for front cover</b> Material: plastic		<b>8GK9910-0KK31</b>	1	100 units	1BP		
8GK9910-0KK31								
	Versions		<b>8GK9910-0KK24</b>	1	100 units	1BP		
	<ul style="list-style-type: none"><li>Long version (117 mm, for use when mounting a 15 mm standard mounting rail on standard mounting rail holders)</li><li>Short version (61.5 mm, for use when mounting a 15 mm standard mounting rail directly on the stays)</li></ul>							
	<b>Assembly tool</b> <ul style="list-style-type: none"><li>For supports</li><li>Short and long version</li><li>With ergonomic handle</li></ul>		<b>8GK9910-0KK27</b>	1	1 unit	1BP		
8GK9910-0KK27								
	<b>Support extensions</b> <ul style="list-style-type: none"><li>7.5 mm</li></ul>		<b>8GK9911-0KK03</b>	1	100 units	1BP		
8GK9911-0KK03								
	<b>Standard mounting rail 15 mm</b> Width in mm		<b>8GK9910-1KK10</b>	1	10 units	1BP		
8GK9910-1KK10								
	250		<b>8GK9910-1KK20</b>	1	10 units	1BP		
	500		<b>8GK9910-1KK30</b>	1	10 units	1BP		
	750		<b>8GK9910-1KK40</b>	1	10 units	1BP		
	1000		<b>8GK9910-1KK50</b>	1	10 units	1BP		
	1250							

## Power Distribution Boards / Distribution Boards

### Accessories

#### Assembly kits

	Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
	d						
	<b>Standard mounting rail holders</b> • For standard mounting rail, 15 mm and supports • Long version • Comprising 1 left and 1 right holder • 1 set = 20 holders, 10 x left, 10 x right						
8GK9910-1KK83	Versions						
	• For 1 standard mounting rail • For 2 standard mounting rails		<b>8GK9910-1KK81</b>	1	1 set	1BP	
8GK9910-1KK84	• For 3 standard mounting rails		<b>8GK9910-1KK83</b>	1	1 set	1BP	
	• For 4 standard mounting rails		<b>8GK9910-1KK84</b>	1	1 set	1BP	
8GK9910-1KK85			<b>8GK9910-1KK85</b>	1	1 set	1BP	
	<b>Longitudinal stays</b> • In order to mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required for each assembly kit width • Depth 210/250/320/400 mm • 1 set = 2 stays						
8GK4853-8KK02	Cubicle depth mm	Length mm					
210	300		<b>8GK4855-2KK02</b>	1	1 set	1BP	
	450		<b>8GK4851-3KK00</b>	1	1 set	1BP	
	600		<b>8GK4851-4KK00</b>	1	1 set	1BP	
	750		<b>8GK4851-5KK00</b>	1	1 set	1BP	
	900		<b>8GK4851-6KK00</b>	1	1 set	1BP	
	1050		<b>8GK4851-7KK00</b>	1	1 set	1BP	
	1200		<b>8GK4851-8KK00</b>	1	1 set	1BP	
	1350		<b>8GK4852-8KK00</b>	1	1 set	1BP	
	1800		<b>8GK4853-8KK00</b>	1	1 set	1BP	
	250/320/400	1800	<b>8GK4853-8KK02</b>	1	1 set	1BP	
	d						
	Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
	<b>Stay supports</b> • For depth of 210 mm when mounting stays are to be shifted forward by 55 mm • Note: Necessary whenever standard mounting rails are mounted directly on the stays		<b>8GK9910-0KK38</b>	1	20 units	1BP	
8GK9910-0KK38							
	<b>Connecting kits for longitudinal stays</b> • Connecting plate for stays • 1 set = 4 units		<b>8GK9910-0KK32</b>	1	1 unit	1BP	
8GK9910-0KK32							
	<b>Screws</b> • Self-tapping • M5 x 10 • Large pack: 500 units		<b>8GK9911-0KK00</b>	1	500 units	1BP	
8GK9911-0KK00							

**Power Distribution Boards / Distribution Boards**

ALPHA 160 Distribution Boards

**Introduction****Overview****System**

The system's portfolio comprises unequipped distribution boards, partially equipped distribution boards with cabinet-high quick-assembly kits, cabinet-high quick-assembly kits for modular installation devices for fast equipping and wiring, assembly kits for project-related and individual assembly, as well as an extensive range of accessories.

**Quick-assembly kits and assembly kits**

The assembly kits are made of sendzimir-galvanized sheet steel and are equipped with molded-plastic covers for a wide range of equipping options, e.g. with switching devices and modular installation devices.

**Benefits**

- Plan and configure quickly, simply and conveniently with the software SIMARIS configuration.
- Easy planning thanks to modular design
- Ample wiring space behind the standard mounting rail
- Comprehensive range of cabinet-high and frequently used quick-assembly kits and standard assembly kits for individual and project-related assembly
- Easy assembly thanks to keyhole-fastened components and modules with quick-acting locks
- Fast mounting times thanks to quick-assembly kits
- System concept according to DIN, EN and VDE standards
- Solid sheet-steel enclosure
- Degree of protection:
  - Surface mounting, IP43/IP44 with additional sealing of the rotary handle
  - Flush mounting: IP31 with door and integrated masking frame
- Safety class 2 (total insulation)
- High-quality surface finish: distribution boards made of electrogalvanized and powder-coated sheet steel, system components made of sendzimir-galvanized sheet steel, galvanized and transparently chromated small components and screws
- Doors can be hinged on the right or left
- Door opening angle of 170°
- Replaceable locking systems (accessories)
- Front cover with sealable 90° quick-acting locks
- Environmentally-friendly, recyclable plastics.

**Application**

The ALPHA 160 DIN technology distribution board range comprises wall-mounted distribution boards with up to 7 modular installation devices, each with 12 MW per mounting width (250 mm). The standard mounting rail tier spacing is 125 mm or 150 mm. A total of 4 cabinet mounting widths are available, each with an internal dimension of 250 mm.

The distribution boards can be supplied in safety class 2 (total insulation). The standard degree of protection for surface-mounting distribution boards is IP43 and IP31 for flush-mounting distribution boards. The rated current is 160 A.

Cabinet-high quick-assembly kits or assembly kits that only require a one-size screwdriver for assembly are available for all mountable switching devices and modular installation devices.

## Power Distribution Boards / Distribution Boards

### ALPHA 160 Distribution Boards

#### Introduction

##### Technical specifications

Overvoltage category	III
Rated impulse withstand voltage $U_{imp}$ in kV	6
Clearance and creepage distances	EN 60664-1
Rated insulation voltage $U_i$ in V	690
Rated operational voltage $U_e$ in V AC/DC	690
Rated voltage $U_n$ (40 Hz to 60 Hz AC) in V	690 for built-in devices
Rated current in A	Up to 160
Protective measures	Safety class 2 (total insulation)
Degree of protection acc. to EN 60529	Surface mounting: IP43 / IP44 with additional seal set with door Flush mounting: IP31 with door and integrated masking frame
Standard mounting rail tier spacing per standard mounting rail tier in mm	125/150
Modular width (MW)	18 mm, 12 MW + 1 mountable MW
Pollution degree	3
Ambient temperature in °C	35 (24-h mean value)
Relative air humidity in %	50 at 40 °C
Test specifications	EN 61439-1/-3 (VDE 0660-600-1/-3)
Enclosure	Sheet steel
Mounting dimensions	DIN 43870
Surface	Electrogalvanized and powder-coated
Color	
• Enclosure <sup>1)</sup>	RAL 9016 (traffic white)
• Covers	RAL 7035 (light gray)
Lock	Rotary handle – can be replaced by other locking systems if required
Packing material	Shock-proof, environmentally-friendly

<sup>1)</sup> Further RAL colors are available on request. **For special colors**, see page 19/7.

##### Cabinet dimensions

Surface-mounting distribution boards (external dimensions)		Flush-mounting distribution boards with integrated masking frame (external dimensions)	
Depth 140 mm		Depth 140 mm	
Height mm	Width mm	Height mm	Width mm
500	300 550	558	358 608
650	300 550	708	358 608
800	300 550	858	358 608
950	300 550	1008	358 608
1100	300 550	1158	358 608

##### Enclosure

Material:

Electrogalvanized and powder-coated sheet steel.

Sheet thickness:

Body 0.75 mm, door 1 mm

Color:

RAL 9016 (traffic white).

**Further RAL colors are available on request.**

**For special colors, see page 19/7.**

**Power Distribution Boards / Distribution Boards**

ALPHA 160 Distribution Boards

**8GK1 surface and flush-mounting distribution boards****Overview**

- Cabinet depth 140 mm
- Safety class 2 (total insulation)
- Color RAL 9016 (traffic white)
- For special colors, see page 19/7**
- Enclosure complete with door. Distribution boards with a width of 750/800 mm or more will be supplied with a double door. The integral rotary handle can be replaced with a different type of locking system, if preferred.

- Flanges: per panel width, one 2-component flange each at the top and bottom
- For distribution boards with built-in distribution board panels: tier spacing of 125 mm with N/PE bar per panel width
- Flush-mounting distribution board with integrated masking frame.

**Note:** Wall anchors are included in delivery with flush-mounting distribution boards.

**Selection and ordering data**

Internal/external dimensions		Panel width	Tiers/ MW	SD	Surface-mounting distribution boards, IP43	PU (UNIT, SET, M)	PS	PG	SD	Flush-mounting distribution boards, IP31	PU (UNIT, SET, M)	PS	PG
Height	Width			d	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU			d	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU		
<b>Unequipped distribution boards</b>													
450/500	250/300	<input type="checkbox"/>	--		<b>8GK1032-1KK11</b>	1	1 unit	1BP		<b>8GK1031-1KK11</b>	1	1 unit	1BP
	500/550	<input type="checkbox"/>			<b>8GK1032-1KK21</b>	1	1 unit	1BP		<b>8GK1031-1KK21</b>	1	1 unit	1BP
	750/800	<input type="checkbox"/>			<b>8GK1032-1KK31</b>	1	1 unit	1BP	--				
600/650	250/300	<input type="checkbox"/>	--		<b>8GK1032-2KK11</b>	1	1 unit	1BP		<b>8GK1031-2KK11</b>	1	1 unit	1BP
	500/550	<input type="checkbox"/>			<b>8GK1032-2KK21</b>	1	1 unit	1BP		<b>8GK1031-2KK21</b>	1	1 unit	1BP
	750/800	<input type="checkbox"/>			<b>8GK1032-2KK31</b>	1	1 unit	1BP	--				
	1000/1050	<input type="checkbox"/>			<b>8GK1032-2KK41</b>	1	1 unit	1BP	--				
750/800	250/300	<input type="checkbox"/>	--		<b>8GK1032-3KK11</b>	1	1 unit	1BP		<b>8GK1031-3KK11</b>	1	1 unit	1BP
	500/550	<input type="checkbox"/>			<b>8GK1032-3KK21</b>	1	1 unit	1BP		<b>8GK1031-3KK21</b>	1	1 unit	1BP
	750/800	<input type="checkbox"/>			<b>8GK1032-3KK31</b>	1	1 unit	1BP	--				
	1000/1050	<input type="checkbox"/>			<b>8GK1032-3KK41</b>	1	1 unit	1BP	--				
900/950	250/300	<input type="checkbox"/>	--		<b>8GK1032-4KK11</b>	1	1 unit	1BP		<b>8GK1031-4KK11</b>	1	1 unit	1BP
	500/550	<input type="checkbox"/>			<b>8GK1032-4KK21</b>	1	1 unit	1BP		<b>8GK1031-4KK21</b>	1	1 unit	1BP
	750/800	<input type="checkbox"/>			<b>8GK1032-4KK31</b>	1	1 unit	1BP	--				
	1000/1050	<input type="checkbox"/>			<b>8GK1032-4KK41</b>	1	1 unit	1BP	--				
1050/1100	250/300	<input type="checkbox"/>	--		<b>8GK1032-5KK11</b>	1	1 unit	1BP		<b>8GK1031-5KK11</b>	1	1 unit	1BP
	500/550	<input type="checkbox"/>			<b>8GK1032-5KK21</b>	1	1 unit	1BP		<b>8GK1031-5KK21</b>	1	1 unit	1BP
	750/800	<input type="checkbox"/>			<b>8GK1032-5KK31</b>	1	1 unit	1BP	--				
	1000/1050	<input type="checkbox"/>			<b>8GK1032-5KK41</b>	1	1 unit	1BP	--				
<b>Distribution boards with built-in distribution board panels</b>													
450/500	250/300	<input type="checkbox"/>	3/36		<b>8GK1052-1KK11</b>	1	1 unit	1BP	--				
	500/550	<input type="checkbox"/>	6/72		<b>8GK1052-1KK21</b>	1	1 unit	1BP	--				
	750/800	<input type="checkbox"/>	9/108		<b>8GK1052-1KK31</b>	1	1 unit	1BP	--				
600/650	250/300	<input type="checkbox"/>	4/48		<b>8GK1052-2KK11</b>	1	1 unit	1BP	--				
	500/550	<input type="checkbox"/>	8/96		<b>8GK1052-2KK21</b>	1	1 unit	1BP	--				
	750/800	<input type="checkbox"/>	12/144		<b>8GK1052-2KK31</b>	1	1 unit	1BP	--				
	1000/1050	<input type="checkbox"/>	16/192		<b>8GK1052-2KK41</b>	1	1 unit	1BP	--				
750/800	250/300	<input type="checkbox"/>	5/60		<b>8GK1052-3KK11</b>	1	1 unit	1BP	--				
	500/550	<input type="checkbox"/>	10/120		<b>8GK1052-3KK21</b>	1	1 unit	1BP	--				
	750/800	<input type="checkbox"/>	15/180		<b>8GK1052-3KK31</b>	1	1 unit	1BP	--				
	1000/1050	<input type="checkbox"/>	20/240		<b>8GK1052-3KK41</b>	1	1 unit	1BP	--				
900/950	250/300	<input type="checkbox"/>	6/72		<b>8GK1052-4KK11</b>	1	1 unit	1BP	--				
	500/550	<input type="checkbox"/>	12/144		<b>8GK1052-4KK21</b>	1	1 unit	1BP	--				
	750/800	<input type="checkbox"/>	18/216		<b>8GK1052-4KK31</b>	1	1 unit	1BP	--				
	1000/1050	<input type="checkbox"/>	24/288		<b>8GK1052-4KK41</b>	1	1 unit	1BP	--				
1050/1100	250/300	<input type="checkbox"/>	7/84		<b>8GK1052-5KK11</b>	1	1 unit	1BP	--				
	500/550	<input type="checkbox"/>	14/168		<b>8GK1052-5KK21</b>	1	1 unit	1BP	--				
	750/800	<input type="checkbox"/>	21/252		<b>8GK1052-5KK31</b>	1	1 unit	1BP	--				
	1000/1050	<input type="checkbox"/>	28/336		<b>8GK1052-5KK41</b>	1	1 unit	1BP	--				

Quick-assembly kits and assembly kits: 19/64. Accessories: 19/68.

# Power Distribution Boards / Distribution Boards

## ALPHA 160 Distribution Boards

### Quick-Assembly Kits for Unequipped Distribution Boards

#### 8GK4 quick-assembly kits for modular installation devices

##### Overview

Quick-assembly kits are pre-assembled cabinet-high system components for the most common applications. Such kits already include the longitudinal stays and can be simply snapped into the unequipped distribution boards of the respective mounting height, thanks to the time-saving quick-locking technology.

##### Selection and ordering data

	External dimensions		Tiers/ MW SD	Quick-assembly kits, for modular installation devices			PU (UNIT, SET, M)	PS	PG	SD	Tier spacing of 150 mm, without N/PE bar			PU (UNIT, SET, M)	PS	PG	
	Height mm	Width mm		Tier spacing of 125 mm, with N/PE bar Article No. <a href="http://www.siemens.com/product">www.siemens.com/</a> product?Article No.	Price per PU	d					Article No. <a href="http://www.siemens.com/product">www.siemens.com/</a> product?Article No.	Price per PU	d				
	450	250	3/36	<b>8GK4001-3KK11</b>		1	1	1 unit	1BP	<b>8GK4051-3KK11</b>		1	1	1 unit	1BP		
8GK4051-3KK11																	
	600	250	4/48	<b>8GK4001-4KK11</b>		1	1	1 unit	1BP	<b>8GK4051-4KK11</b>		1	1	1 unit	1BP		
8GK4051-4KK11																	
	750	250	5/60	<b>8GK4001-5KK11</b>		1	1	1 unit	1BP	<b>8GK4051-5KK11</b>		1	1	1 unit	1BP		
8GK4051-5KK11																	
	900	250	6/72	<b>8GK4001-6KK11</b>		1	1	1 unit	1BP	<b>8GK4051-6KK11</b>		1	1	1 unit	1BP		
8GK4051-6KK11																	
	1050	250	7/84	<b>8GK4001-7KK11</b>		1	1	1 unit	1BP	<b>8GK4051-7KK11</b>		1	1	1 unit	1BP		
8GK4051-7KK11																	

The quick-assembly kits with a width of 250 mm are equipped with 7.5 mm standard mounting rails.

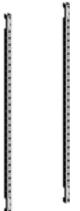
Accessories: [19/68](#).

# Power Distribution Boards / Distribution Boards

## ALPHA 160 Distribution Boards

### Longitudinal stays

#### Selection and ordering data

	Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG		
		d							
 <b>8GK4851-3KK00</b>	<p><b>Longitudinal stays</b></p> <ul style="list-style-type: none"> <li>To mount the assembly kits in unequipped distribution boards, 2 longitudinal stays are required for each assembly kit width</li> <li>1 set = 2 stays</li> </ul> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;"><b>Height in mm</b></td> </tr> <tr> <td style="padding: 2px;"> <ul style="list-style-type: none"> <li>• 450</li> <li>• 600</li> <li>• 750</li> </ul> </td> </tr> <tr> <td style="padding: 2px;"> <ul style="list-style-type: none"> <li>• 900</li> <li>• 1050</li> </ul> </td> </tr> </table>	<b>Height in mm</b>	<ul style="list-style-type: none"> <li>• 450</li> <li>• 600</li> <li>• 750</li> </ul>	<ul style="list-style-type: none"> <li>• 900</li> <li>• 1050</li> </ul>		<b>8GK4851-3KK00</b> <b>8GK4851-4KK00</b> <b>8GK4851-5KK00</b> <b>8GK4851-6KK00</b> <b>8GK4851-7KK00</b>	1 1 1 1 1	1 set 1 set 1 set 1 set 1 set	1BP 1BP 1BP 1BP 1BP
<b>Height in mm</b>									
<ul style="list-style-type: none"> <li>• 450</li> <li>• 600</li> <li>• 750</li> </ul>									
<ul style="list-style-type: none"> <li>• 900</li> <li>• 1050</li> </ul>									

## Power Distribution Boards / Distribution Boards

### ALPHA 160 Distribution Boards

#### Assembly kits for modular installation devices

##### Overview

- Assembly kits for individual and project-related assembly, comprising: device racks, front cover including supports, screws and mounting accessories
- The front cover is sealable as standard and the quick-acting locking connections facilitate fast and reliable attachment to the supports.

##### Note:

For mounting the assembly kits in the unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately ([see page 19/65](#)).

#### Selection and ordering data

	External dimensions			SD	Assembly kits for modular installation devices						PU (UNIT, SET, M)	PS	PG	SD	Tier spacing 150 mm						PU (UNIT, SET, M)	PS	PG			
	Height	Width	Tiers/ MW		Article No. <a href="http://www.siemens.com/product">www.siemens.com/ product?</a> Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG	SD					Article No. <a href="http://www.siemens.com/product">www.siemens.com/ product?</a> Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG							
	mm	mm	d																							
	150	250 500	1/12 1/24		-- --																		<b>8GK4351-1KK11</b> <b>8GK4351-1KK21</b>	1 1	1 unit 1 unit	1BP 1BP
	300	250 500	2/24 2/48		<b>8GK4301-2KK11</b> <b>8GK4301-2KK21</b>			1 1	1 unit 1 unit	1BP 1BP												<b>8GK4351-2KK11</b> <b>8GK4351-2KK21</b>	1 1	1 unit 1 unit	1BP 1BP	
	450	250 500	3/36 3/72		<b>8GK4301-3KK11</b> <b>8GK4301-3KK21</b>			1 1	1 unit 1 unit	1BP 1BP												<b>8GK4351-3KK11</b> <b>8GK4351-3KK21</b>	1 1	1 unit 1 unit	1BP 1BP	
	600	250 500	4/48 4/96		<b>8GK4301-4KK11</b> <b>8GK4301-4KK21</b>			1 1	1 unit 1 unit	1BP 1BP												<b>8GK4351-4KK11</b> <b>8GK4351-4KK21</b>	1 1	1 unit 1 unit	1BP 1BP	

The assembly kits with a width of 250 mm and 500 mm are equipped with 7.5 mm standard mounting rails.

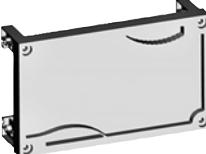
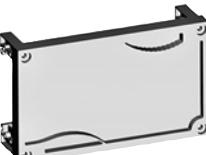
For accessories, [see page 19/68](#).

# Power Distribution Boards / Distribution Boards

## ALPHA 160 Distribution Boards

### 8GK4 assembly kits

#### Selection and ordering data

	Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
		d					
	<b>Assembly kits for horizontal terminal blocks</b> <ul style="list-style-type: none"> <li>Terminal blocks with graded insulation design</li> <li>Closed</li> <li>Assembly kits for individual and project-related assembly, comprising: device racks, front cover including supports, screws and mounting accessories</li> <li>With a front cover (for unequipped panels is sealable as standard and the quick-acting locking connections facilitate fast and reliable fixation to the supports)</li> </ul>						
8GK4401-1KK11	Height in mm (external dimensions)      Width in mm (external dimensions)						
	150      250 500		<b>8GK4401-1KK11</b> <b>8GK4401-1KK21</b>		1      1 unit      1BP		
	300      250 500		<b>8GK4401-2KK11</b> <b>8GK4401-2KK21</b>		1      1 unit      1BP		
	<b>Note</b>				1      1 unit      1BP		
	<ul style="list-style-type: none"> <li>For assembly kits with a width of 500 mm it is recommended to install a vertical profile bar.</li> <li>For mounting the assembly kits in the unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately (<a href="#">see page 19/65</a>).</li> </ul>						
	<b>Assembly kits with mounting plates</b> <ul style="list-style-type: none"> <li>Closed</li> <li>Assembly kits for individual and project-related assembly, comprising: mounting plate, front cover including supports, screws and mounting accessories</li> <li>With a front cover (for unequipped panels is sealable as standard and the quick-acting locking connections facilitate fast and reliable fixation to the supports)</li> </ul>						
8GK4451-2KK11	External dimensions (mm): Assembly kit	Mounting plate dimensions in mm					
	Height      Width	Height      Width					
	300      250	245      207.5	<b>8GK4451-2KK11</b>		1      1 unit      1BP		
	450	395	<b>8GK4451-3KK11</b>		1      1 unit      1BP		
	600	545	<b>8GK4451-4KK11</b>		1      1 unit      1BP		
	<b>Note</b>						
	For mounting the assembly kits in the unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately ( <a href="#">see page 19/65</a> ).						
	<b>Assembly kits for unequipped panels</b> <ul style="list-style-type: none"> <li>Assembly kits for individual and project-related assembly, comprising: front cover including supports, screws and mounting accessories</li> <li>With a front cover (for unequipped panels is sealable as standard and the quick-acting locking connections facilitate fast and reliable fixation to the supports)</li> </ul>						
8GK4501-1KK11	Height in mm (external dimensions)      Width in mm (external dimensions)						
	150      250 500		<b>8GK4501-1KK11</b> <b>8GK4501-1KK21</b>		1      1 unit      1BP		
	300      250 500		<b>8GK4501-2KK11</b> <b>8GK4501-2KK21</b>		1      1 unit      1BP		
	450      250 500		<b>8GK4501-3KK11</b> <b>8GK4501-3KK21</b>		1      1 unit      1BP		
	600      250 500		<b>8GK4501-4KK11</b> <b>8GK4501-4KK21</b>		1      1 unit      1BP		
	<b>Note</b>				1      1 unit      1BP		
	For mounting the assembly kits in the unequipped distribution boards, 2 longitudinal stays are required per assembly kit. These must be ordered separately ( <a href="#">see page 19/65</a> ).						
	<b>Supports for front cover</b> <ul style="list-style-type: none"> <li>Short version</li> <li>Material: plastic</li> <li>1 set = 4 supports</li> </ul>		<b>8GK9910-0KK20</b>		1      5 sets      1BP		
8GK9910-0KK20							

For accessories, [see page 19/68](#) onwards.

## Power Distribution Boards / Distribution Boards

### Accessories

#### Selection and ordering data

	Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
	d						
<b>Unequipped distribution boards and partially equipped distribution boards</b>							
	<b>Wall mounting rails</b> <ul style="list-style-type: none"><li>For all wall-mounted distribution boards</li><li>The distribution board can be quickly and precisely mounted by a single person</li></ul>						
8GK9912-0KK10	Length in mm <ul style="list-style-type: none"><li>250</li><li>500</li><li>750</li><li>1000</li><li>1250</li></ul>		<b>8GK9912-0KK10</b> <b>8GK9912-0KK20</b> <b>8GK9912-0KK30</b> <b>8GK9912-0KK40</b> <b>8GK9912-0KK50</b>		1	1 unit	1BP
	Versions		<b>8GK9910-0KK36</b>		1	5 sets	1BP
	<ul style="list-style-type: none"><li>For mounting and fixing the cabinet directly against the wall without spacing<ul style="list-style-type: none"><li>- 1 set = 4 lugs including screws</li></ul></li><li>For linking two cabinets and for mounting and fixing directly against the wall without spacing<ul style="list-style-type: none"><li>- 8GK9910-0KK36 also required for the ends of a row of cabinets</li><li>- 1 set = 2 lugs including screws</li></ul></li></ul>		<b>8GK9910-0KK37</b>		1	1 set	1BP
<b>Hollow wall sets</b> For fixing flush-mounting distribution boards in hollow walls							
<b>Locking systems</b>							
	Versions <ul style="list-style-type: none"><li>Standard locking devices<ul style="list-style-type: none"><li>Made of plastic</li><li>Color: black</li><li>With rotary handle for wall-mounted distribution board, degree of protection IP43</li><li>Cannot be retrofitted to other locking devices</li></ul></li></ul>		<b>8GK9560-0KK04</b>		1	1 unit	1BP
8GK9560-0KK04	<ul style="list-style-type: none"><li>Rotary handle locking devices for profile cylinders<ul style="list-style-type: none"><li>For wall-mounted distribution boards with degree of protection IP43/IP55, with mounting option for a profile semicylinder (length 40 mm)</li><li>Suitable for E012 or Senat tumbler</li><li>Color: black</li></ul></li></ul>		<b>8GK9560-0KK06</b>		1	1 unit	1BP
	<ul style="list-style-type: none"><li>Lockable rotary handles<ul style="list-style-type: none"><li>Including E012 lock and two keys</li></ul></li></ul>		<b>8GK9560-0KK13</b>		1	1 unit	1BP
8GK9560-0KK06	Accessories <ul style="list-style-type: none"><li>Spare key for E012 lock</li></ul>		<b>8GF9390-2</b>		1	1 unit	1BP
<b>Profile semicylinders</b>							
	Versions <ul style="list-style-type: none"><li>With E012 lock and two keys</li></ul>		<b>8GK9560-0KK07</b>		1	1 unit	1BP
8GK9560-0KK07	<ul style="list-style-type: none"><li>With Senat tumbler and two keys</li></ul>		<b>8GK9560-0KK08</b>		1	1 unit	1BP
	<ul style="list-style-type: none"><li>With 3-mm pin as double-bit lock</li></ul>		<b>8GK9560-0KK10</b>		1	1 unit	1BP
8GK9560-0KK08							
							
8GK9560-0KK10							

## Power Distribution Boards / Distribution Boards

## Accessories

	Version	SD d	Article No. <a href="http://www.siemens.com/product">www.siemens.com/product</a> <sup>1)</sup> Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
	<b>2-component flanges</b> <ul style="list-style-type: none"><li>• For fast and correct wiring</li><li>• With 44 possible knockouts</li><li>• Comprising 2 elastic components</li></ul>		<b>8GK9000-0KK02</b>			1	1 unit 1BP
8GK9000-0KK02							
	<b>Siemens nameplate</b> <ul style="list-style-type: none"><li>• Made of aluminum</li><li>• Self-adhesive</li><li>• Color: petrol</li></ul>		<b>8GD9084</b>			1	1 unit 1BP
8GD9084							
	<b>Retrofit kits</b> <ul style="list-style-type: none"><li>• For standard locking device to IP44 degree of protection</li></ul>		<b>8GK9560-0KK05</b>			1	1 set 1BP
8GK9560-0KK05							
	<b>Partitions</b> <ul style="list-style-type: none"><li>• For the visual and spatial separation of different potentials</li><li>• Material: plastic</li></ul>						
	<b>Versions</b>						
	<ul style="list-style-type: none"><li>• Vertical<ul style="list-style-type: none"><li>- Height 450 mm</li><li>- Height 600 mm</li><li>- Height 750 mm</li><li>- Height 900 mm</li><li>- Height 1050 mm</li></ul></li></ul>		<b>8GK9001-3KK01</b>			1	1 unit 1BP
8GK9001-3KK01			<b>8GK9001-4KK01</b>			1	1 unit 1BP
			<b>8GK9001-5KK01</b>			1	1 unit 1BP
			<b>8GK9001-6KK01</b>			1	1 unit 1BP
			<b>8GK9001-7KK01</b>			1	1 unit 1BP
	<ul style="list-style-type: none"><li>• Horizontal<ul style="list-style-type: none"><li>- Width 250 mm</li></ul></li></ul>		<b>8GK9002-0KK10</b>			1	1 unit 1BP
8GK9002-0KK10							
	<b>N/PE bars as plug-in terminals</b>						
	<b>Versions</b>						
	<ul style="list-style-type: none"><li>• Each with six screw terminals from 2.5 to 16 mm<sup>2</sup> and 21 plug-in connections from 1.5 to 4 mm<sup>2</sup> for mounting on longitudinal stays at a 30° inclination</li><li>• With six screw terminals from 2.5 to 16 mm<sup>2</sup> and 21 plug-in connections from 1.5 to 4 mm<sup>2</sup>, for PE bar and one N bar each with two screw terminals from 2.5 to 16 mm<sup>2</sup> and 10 plug-in connections from 1.5 to 4 mm<sup>2</sup>, for mounting on longitudinal stays at a 30° inclination</li></ul>		<b>8GK9910-0KK11</b>			1	1 unit 1BP
8GK9910-0KK11			<b>8GK9910-0KK12</b>			1	1 unit 1BP
	<b>N terminals</b>		▶	<b>8GS4034-1</b>			
	<ul style="list-style-type: none"><li>• For snap-on mounting onto the standard mounting rail</li><li>• For distributing the neutral conductor when using several RCBBs</li><li>• 2 x screw terminal, conductor cross-section max. 16 mm<sup>2</sup></li><li>• 14 x plug-in terminal, conductor cross-section max. 4 mm<sup>2</sup></li></ul>					1	1 unit 1BP
8GS4034-1							
	<b>PE terminals</b>		▶	<b>8GS4034-2</b>			
	<ul style="list-style-type: none"><li>• For snap-on mounting onto the standard mounting rail</li><li>• 2 x screw terminal, conductor cross-section max. 16 mm<sup>2</sup></li><li>• 14 x plug-in terminal, conductor cross-section max. 4 mm<sup>2</sup></li></ul>					1	1 unit 1BP
8GS4034-2							
	<b>N/PE terminals</b>		▶	<b>8GS4034-3</b>			
	<ul style="list-style-type: none"><li>• For snap-on mounting onto the standard mounting rail</li><li>• For distributing the neutral conductor when using several RCBBs</li><li>• 1 x screw terminal, conductor cross-section max. 16 mm<sup>2</sup><sup>1)</sup></li><li>• 7 x plug-in terminal, conductor cross-section max. 4 mm<sup>2</sup><sup>1)</sup></li></ul>					1	1 unit 1BP
8GS4034-3							
	<b>Footnote</b>						
	<sup>1)</sup> Per PE or N potential.						

## Power Distribution Boards / Distribution Boards

### Accessories

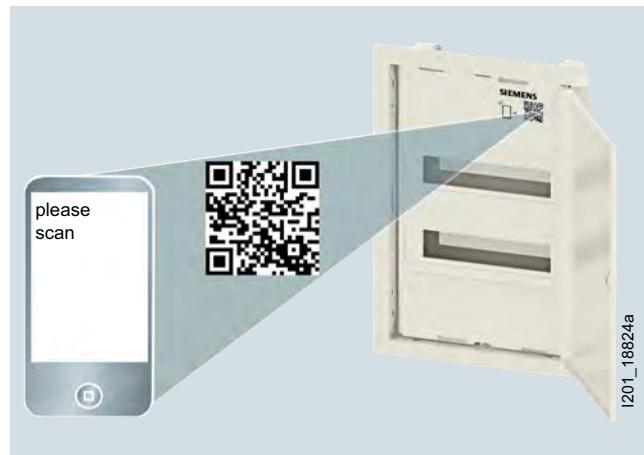
	Version	SD d	Article No. <a href="http://www.siemens.com/product">www.siemens.com/ product</a> ?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG
	<b>N/N terminals</b> • For snap-on mounting onto the standard mounting rail • For distributing the neutral conductor when using several RCBBs • 1 x screw terminal, conductor cross-section max. 16 mm <sup>2</sup> <sup>1)</sup> • 7 x plug-in terminal, conductor cross-section max. 4 mm <sup>2</sup> <sup>1)</sup> <b>Footnote</b> <sup>1)</sup> Per PE or N potential.		▶ 8GS4034-4			1	1 unit 1BP
8GS4034-4							
	<b>Blanking strips</b> Color RAL 7035 (light gray) <b>Versions</b> • For 12 MW (1 MW = 18 mm) • Length 1 m, w/o pressure-relief joint, to cut to length		8GK9910-0KK00 8GK9910-0KK01			1 10 units 1BP 1 1 unit 1BP	
8GK9910-0KK00							
	<b>ALPHA assembly tool</b> • For supports • Short and long version • With ergonomic handle for supports		8GK9910-0KK27			1 1 unit 1BP	
8GK9910-0KK27							
	<b>Standard mounting rails, lowered</b> <b>Width</b> • 250 mm • 500 mm • 750 mm		8GK9910-0KK35 8GK9910-0KK40 8GK9910-0KK41			1 1 unit 1BP 1 1 set 1BP 1 1 set 1BP	
8GK9910-0KK35							

**Overview**

The ALPHA SIMBOX XL small distribution boards are designed for maximum utilization of space, even in extremely confined conditions. They are available as surface-mounting, flush-mounting and hollow-wall distribution boards.

Raised front covers, enlarged terminal compartments and integrated cable routing aids enable easy wiring. With a compact mounting depth of just 88 mm these distribution boards fit in the narrowest of hollow walls.

To round off the package there is a comprehensive offering of accessories which are compatible for all versions (terminals, covering strips, door locks).



I201\_18824a

**Benefits**

- Ample wiring space
- Raised front cover
- Sealable front cover
- Integrated water-level
- Marking aid on the wall-recessed box
- Small mounting depth of just 88 mm
- Each tier can be expanded by 2 MW
- Hollow-wall distribution board also suitable for flush-mounting

## Power Distribution Boards / Distribution Boards

Small Distribution Boards

ALPHA SIMBOX XL Small Distribution Boards

### Introduction

#### Application

Small distribution boards are suitable as sub-distribution boards or floor panel boards for all applications in electrical building installations. Thanks to their compact mounting depth, they can be installed close to the respective load center in residential and non-residential buildings, as well as in schools, commercial buildings and shops.

#### Design

- Available in sizes with 1-4 tiers
- Door and frame are made of elegant metal components
- Small mounting depth of 88 mm is ideal for hollow-wall installations
- Strain relief possibilities are provided at the top and bottom of the distribution board
- Knockouts enable cable entry from all four sides of the distribution board
- Integrated cable routing aids in the wall-recessed box
- Space-saving slots for RCCB terminals are available in addition to terminal strips

#### Technical specifications

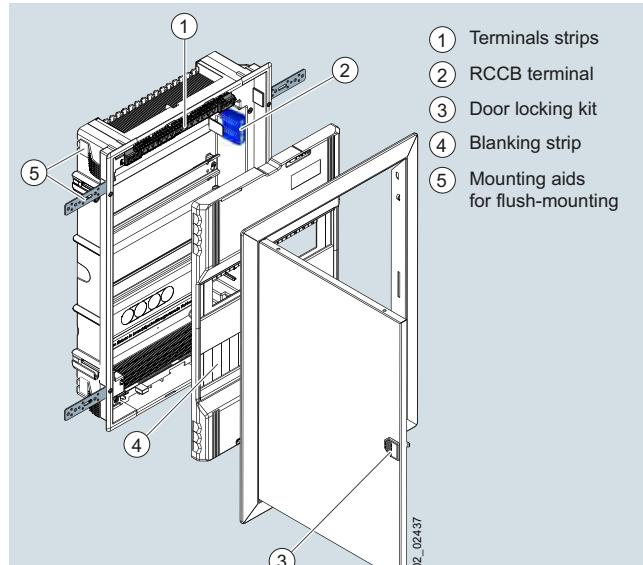
Rated current in A	Up to 63
Rated voltage in V AC	400
Degree of protection	IP30
Safety class	2 (total insulation)
Color	Pure white RAL 9010
Mounting rail spacing in mm	125
Standards	EN 61439-1/3 DIN VDE 0603-1 DIN 43871
Mounting depth in mm	88
Impact strength	IK 05

**Power Distribution Boards / Distribution Boards**Small Distribution Boards  
ALPHA SIMBOX XL Small Distribution Boards**Flush-mounting and hollow-wall distribution boards****Overview****Features**

- Color: pure white RAL 9010
- Each tier can be expanded by 2 MW to a maximum of 14 MW
- Small mounting depth of 88 mm
- All distribution boards are pre-configured with terminal strips featuring user-friendly plug-in terminals

**Mounting**

- Distribution boards of size 2 and larger are pre-configured for the installation of two RCCB circuits
- Upgrading of the distribution boards with space-saving RCCB terminals is also possible
- Hollow-wall distribution boards can also be used as flush-mounting distribution boards



This illustration does not show the scope of delivery

**Selection and ordering data**

	Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
8GB5012-1KM	<b>Flush-mounting distribution boards</b> • Pre-equipped with terminal strips						
	Type	Recess dimensions L × W × D in mm	Tiers × MW	Equipping options terminal strips Number × type			
	1-tier	393 × 359 × 88	1 × 12	1 × 8GB5016-5KM --	<b>8GB5012-1KM</b>	1	1 unit 1BO
	2-tier	518 × 359 × 88	2 × 12	1 × 8GB5016-5KM 1 × 8GB5005-5KM	<b>8GB5024-1KM</b>	1	1 unit 1BO
	3-tier	643 × 359 × 88	3 × 12	1 × 8GB5017-5KM 1 × 8GB5021-5KM	<b>8GB5036-1KM</b>	1	1 unit 1BO
8GB5024-4KM	<b>Hollow-wall distribution boards</b> Including accessories for hollow-wall mounting • Pre-equipped with terminal strips • Accessories for hollow-wall mounting included • 850 °C lamp wire resistance						
	Type	Cutout dimensions L × W × D in mm	Tiers × MW	Equipping options terminal strips Number × type			
	1-tier	355 × 323 × 88	1 × 12	1 × 8GB5016-5KM --	<b>8GB5012-4KM</b>	1	1 unit 1BO
	2-tier	480 × 323 × 88	2 × 12	1 × 8GB5016-5KM 1 × 8GB5005-5KM	<b>8GB5024-4KM</b>	1	1 unit 1BO
	3-tier	605 × 323 × 88	3 × 12	1 × 8GB5017-5KM 1 × 8GB5021-5KM	<b>8GB5036-4KM</b>	1	1 unit 1BO
	4-tier	730 × 323 × 88	4 × 12	1 × 8GB5017-5KM 1 × 8GB5021-5KM	<b>8GB5048-4KM</b>	1	1 unit 1BO

## Power Distribution Boards / Distribution Boards

Small Distribution Boards

ALPHA SIMBOX XL Small Distribution Boards

### Flush-mounting and hollow-wall distribution boards > Project supply

#### Overview

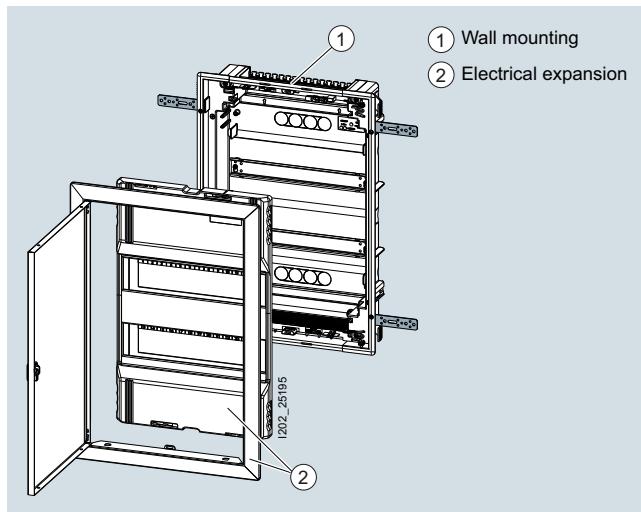
##### Features of flush-mounting and hollow-wall distribution boards:

- Color: pure white RAL 9010
- Each tier can be expanded by 2 MW to a maximum of 14 MW
- Small mounting depth of 88 mm
- Upgrading of the distribution boards with space-saving RCCB terminals is also possible

##### Project supply: distribution boards are supplied in two design versions

- ① Wall-recessed box (wall mounting):
  - Flush-mounting version with cover
  - Hollow-wall box with mounting set
- ② Expansion package (electrical expansion)
  - Flush-mounting cover including standard mounting rail and door kit
  - Hollow-wall cover including standard mounting rail and door kit

Order individually according to project progress, starting with the enclosure bases and then the device protection covers and the door kit.



#### Technical specifications

Rated current in A	Up to 63
Rated voltage in V AC	400
Degree of protection	IP30
Safety class	2 (total insulation)
Color	Pure white RAL 9010
Mounting rail spacing in mm	125
Standards	IEC 61439-1/-3 DIN VDE 0603-1 DIN 43871
Mounting depth in mm	88
Impact strength	IK 05

**Power Distribution Boards / Distribution Boards**Small Distribution Boards  
ALPHA SIMBOX XL Small Distribution Boards**Flush-mounting and hollow-wall distribution boards > Project supply****Selection and ordering data**

	Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
		d					
<b>Flush-mounting distribution boards</b>							
	Type/MW	Recess dimensions L × W × D in mm	Versions				
8GB5212-1KM01	1-tier/ 1 × 12	393 × 359 × 88	① Wall-recessed box ② Expansion package <sup>1)</sup>	8GB5212-1KM01 8GB5212-3KM01	1 12 units 1BO 1 12 units 1BO		
	2-tier/ 2 × 12	518 × 359 × 88	① Wall-recessed box ② Expansion package <sup>1)</sup>	8GB5224-1KM01 8GB5224-3KM01	1 12 units 1BO 1 12 units 1BO		
	3-tier/ 3 × 12	643 × 359 × 88	① Wall-recessed box ② Expansion package <sup>1)</sup>	8GB5236-1KM01 8GB5236-3KM01	1 12 units 1BO 1 12 units 1BO		
	4-tier/ 4 × 12	768 × 359 × 88	① Wall-recessed box ② Expansion package <sup>1)</sup>	8GB5248-1KM01 8GB5248-3KM01	1 12 units 1BO 1 12 units 1BO		
	Note		Prices apply to each unit. One package contains 12 units.				
<b>Hollow-wall distribution boards</b>							
8GB5212-2KM01	Type/MW	Recess dimensions L × W × D in mm	Versions				
	1-tier/ 1 × 12	355 × 323 × 88	① Wall-recessed box ② Expansion package <sup>1)</sup>	8GB5212-2KM01 8GB5212-4KM01	1 12 units 1BO 1 12 units 1BO		
	2-tier/ 2 × 12	480 × 323 × 88	① Wall-recessed box ② Expansion package <sup>1)</sup>	8GB5224-2KM01 8GB5224-4KM01	1 12 units 1BO 1 12 units 1BO		
	3-tier/ 3 × 12	605 × 323 × 88	① Wall-recessed box ② Expansion package <sup>1)</sup>	8GB5236-2KM01 8GB5236-4KM01	1 12 units 1BO 1 12 units 1BO		
	4-tier/ 4 × 12	730 × 323 × 88	① Wall-recessed box ② Expansion package <sup>1)</sup>	8GB5248-2KM01 8GB5248-4KM01	1 12 units 1BO 1 12 units 1BO		
Note		Prices apply to each unit. One package contains 12 units.					

<sup>1)</sup> Consisting of standard mounting rail, door and frame.

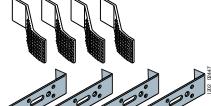
## Power Distribution Boards / Distribution Boards

Small Distribution Boards

ALPHA SIMBOX XL Small Distribution Boards

### Flush-mounting and hollow-wall distribution boards > Project supply

#### Accessories

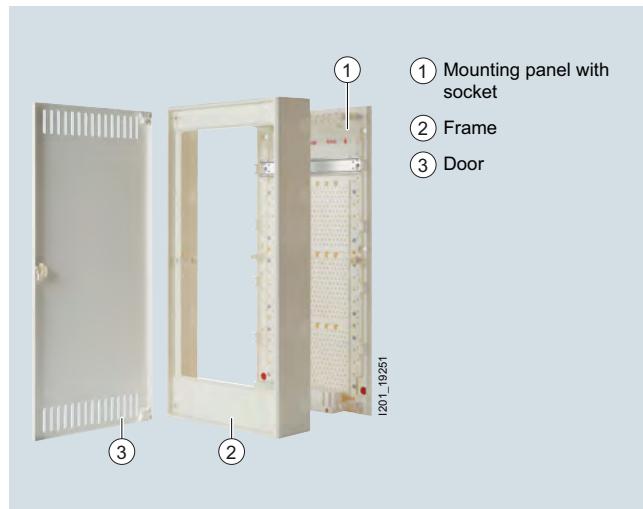
	Version	SD	Article No. <a href="http://www.siemens.com/product?ArticleNo">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG															
	d																					
 8GB5016-5KM	<p><b>① Terminal strips with plug-in terminals</b> Number of slots per distribution board: •1 to 2-tier: 2 units •3 to 4-tier: 3 units</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Potential 1</th> <th>Potential 2</th> </tr> </thead> <tbody> <tr> <td>N/PE</td> <td><math>N = 3 \times 25 + 14 \times 4 \text{ mm}^2</math></td> <td><math>PE = 3 \times 25 + 14 \times 14 \text{ mm}^2</math></td> </tr> <tr> <td>N/N</td> <td><math>N_1 = 3 \times 25 + 14 \times 4 \text{ mm}^2</math></td> <td><math>N_2 = 3 \times 25 + 14 \times 14 \text{ mm}^2</math></td> </tr> <tr> <td>N</td> <td><math>N = 6 \times 25 + 28 \times 4 \text{ mm}^2</math></td> <td></td> </tr> <tr> <td>PU</td> <td><math>PE = 6 \times 16 + 28 \times 4 \text{ mm}^2</math></td> <td></td> </tr> </tbody> </table>	Type	Potential 1	Potential 2	N/PE	$N = 3 \times 25 + 14 \times 4 \text{ mm}^2$	$PE = 3 \times 25 + 14 \times 14 \text{ mm}^2$	N/N	$N_1 = 3 \times 25 + 14 \times 4 \text{ mm}^2$	$N_2 = 3 \times 25 + 14 \times 14 \text{ mm}^2$	N	$N = 6 \times 25 + 28 \times 4 \text{ mm}^2$		PU	$PE = 6 \times 16 + 28 \times 4 \text{ mm}^2$							
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 8GB5015-5KM	<p><b>① Terminal strips with screw terminals</b> Number of slots per distribution board: •1 to 2-tier: 2 units •3 to 4-tier: 3 units</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Potential 1</th> <th>Potential 2</th> </tr> </thead> <tbody> <tr> <td>N/PE</td> <td><math>N = 3 \times 16 + 14 \times 10 \text{ mm}^2</math></td> <td><math>PE = 3 \times 16 + 14 \times 10 \text{ mm}^2</math></td> </tr> <tr> <td>N/N</td> <td><math>N_1 = 3 \times 16 + 14 \times 10 \text{ mm}^2</math></td> <td><math>N_2 = 3 \times 16 + 14 \times 10 \text{ mm}^2</math></td> </tr> <tr> <td>N</td> <td><math>N = 6 \times 16 + 28 \times 10 \text{ mm}^2</math></td> <td></td> </tr> <tr> <td>PU</td> <td><math>PE = 6 \times 16 + 28 \times 10 \text{ mm}^2</math></td> <td></td> </tr> </tbody> </table>	Type	Potential 1	Potential 2	N/PE	$N = 3 \times 16 + 14 \times 10 \text{ mm}^2$	$PE = 3 \times 16 + 14 \times 10 \text{ mm}^2$	N/N	$N_1 = 3 \times 16 + 14 \times 10 \text{ mm}^2$	$N_2 = 3 \times 16 + 14 \times 10 \text{ mm}^2$	N	$N = 6 \times 16 + 28 \times 10 \text{ mm}^2$		PU	$PE = 6 \times 16 + 28 \times 10 \text{ mm}^2$							
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N	$N = 6 \times 16 + 28 \times 10 \text{ mm}^2$																					
PU	$PE = 6 \times 16 + 28 \times 10 \text{ mm}^2$																					
 8GB5005-5KM	<p><b>② RCCB terminals</b> For distributing the neutral conductor to two RCCBs <math>N = 3 \times 16 + 2 \times 10 \text{ mm}^2</math></p>		<b>8GB5005-5KM</b>			1	1 unit 1BO															
 8GB5006-5KM	<p><b>③ Door locking kits</b> •For snapping into door handle •With two keys</p>		<b>8GB5006-5KM</b>			1	1 unit 1BO															
 8GB4683	<p><b>④ Blanking strips</b> •12 MW wide •Color: white •With increased flame protection up to 850 °C, hence suitable for hollow-wall distribution boards</p>		<b>8GB4683</b>			1	10 units 1BO															
 8GB5013-5KM	<p><b>⑤ Mounting aid for flush mounting</b> •Comprising four wall anchors and locking aids •Can also be used in hollow-wall distribution boards</p>		<b>8GB5013-5KM</b>			1	1 set 1BO															

**Overview****Features of the multimedia distribution boards:**

- Specially designed for multimedia applications such as a telephone and router
- Featuring a special mounting panel, on which all hardware components can be fastened flexibly and in a floating manner
- Compliant with
  - EN 61439-1 / VDE 0660-600-1
  - EN 61439-3 / VDE 0660-600-3
- Available for surface, flush and hollow-wall mounting

Note:

The multimedia distribution board is only permissible for installation of safety class II devices.

**Technical specifications**

Rated current in A	Up to 63
Rated voltage in V AC	400
Degree of protection	IP30
Safety class	2 (total insulation)
Color	Pure white RAL 9010
Mounting rail spacing in mm	125
Standards	IEC 61439-1/3 DIN VDE 0603-1 DIN 43871
Mounting depth in mm	88
Impact strength	IK 05

## Power Distribution Boards / Distribution Boards

Small Distribution Boards

ALPHA SIMBOX XL Small Distribution Boards

### Multimedia distribution boards

#### Selection and ordering data

Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
	d					
<b>ALPHA SIMBOX XL multimedia distribution boards</b>						
Included in delivery:						
<ul style="list-style-type: none"> <li>• Mounting plate made of plastic</li> <li>• Socket outlets</li> <li>• Door and frame</li> </ul>						
 8GB5036-3KM00	Type	Cutout dimensions L × W × D in mm	Versions			
	3-tier	605 × 323 × 88	Surface mounting Hollow wall/flush mounting	<b>8GB5036-3KM00</b> <b>8GB5036-3KM01</b>	1 1	1 unit 1BO
	4-tier	730 × 323 × 88	Surface mounting Hollow wall/flush mounting	<b>8GB5048-3KM00</b> <b>8GB5048-3KM01</b>	1 1	1 unit 1BO

#### Accessories

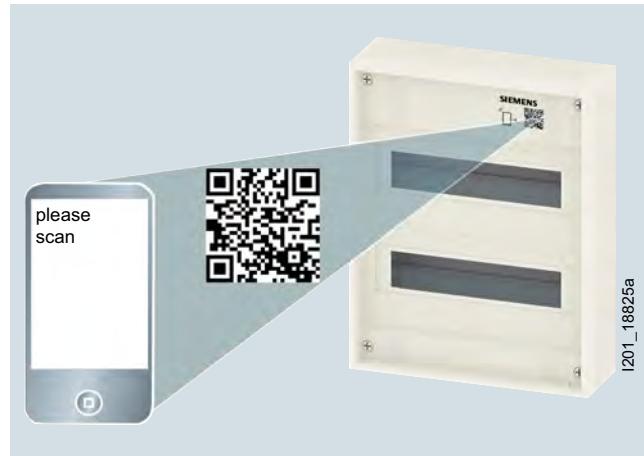
Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
	d					
<b>Connecting lugs</b>						
The connecting lug serves to install several distribution boards in a row, vertically or horizontally.						
		<b>8GB5025-5KM</b>			1	2 units 1BO

**Overview**

The ALPHA SIMBOX XL small distribution board is designed for maximum utilization of space, even in extremely confined conditions.

The ALPHA SIMBOX XL offers ample wiring space.

To round off the package there is a comprehensive offering of accessories which are compatible with the flush-mounting/hollow-wall distribution board (terminals, covering strips, door locks).

**Benefits**

- Knockouts enable cable entry from all four sides and the rear of the distribution board
- A comprehensive range of plastic doors is available in addition to robust sheet-steel doors
- Each tier can be expanded by 2 MW
- The accessories pack can also be used for flush-mounting and hollow-wall distribution boards

## Power Distribution Boards / Distribution Boards

Small Distribution Boards

ALPHA SIMBOX XL Small Distribution Boards

### Surface-mounting distribution boards

#### Application

Small distribution boards are suitable as sub-distribution boards or floor panel boards for all applications in electrical building installations.

Thanks to their small dimensions, they can be installed close to the respective load center in residential and non-residential buildings, as well as in schools, commercial buildings and shops.

#### Design

- Available in sizes with 1-4 tiers
- Strain relief possibilities are provided at the top and bottom of the distribution board
- Knockouts enable cable entry from all four sides of the distribution board
- Space-saving slots for RCCB terminals are available in addition to terminal strips
- When the gray transparent plastic doors are used, indicator lights are also visible when the door is closed
- Raised mounting rails permit user-friendly cable bushing

#### Technical specifications

Rated current in A	Up to 63
Rated voltage in V AC	400
Degree of protection	IP30
Safety class	2 (total insulation)
Color	Pure white RAL 9010
Mounting rail spacing in mm	125
Standards	IEC 61439 DIN VDE 0603-1 DIN 43871

## Surface-mounting distribution boards &gt; IP30 surface-mounting distribution boards

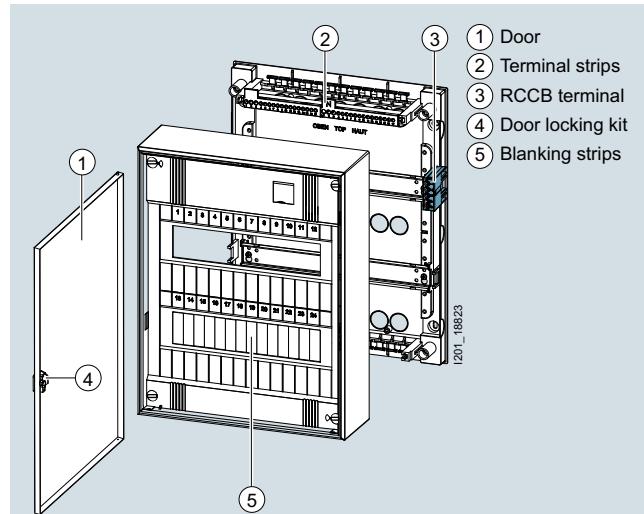
## Overview

## Features

- Color: pure white RAL 9010
- Each tier can be expanded by 2 MW to a maximum of 14 MW
- All distribution boards are pre-configured with terminal strips featuring service-proven screw terminals
- Comprehensive range of doors

## Mounting

- Distribution boards of size 2 and larger are pre-configured for the installation of two RCCB circuits
- Upgrading of the distribution boards with RCCB terminals ③ is also possible



This illustration does not show the scope of delivery

## Selection and ordering data

	Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG	
<b>Surface-mounting distribution boards without door</b>								
8GB5012-0KM	Type	External dimensions L × W × D in mm	Tiers × MW	Equipping options terminal strips Number × type				
	1-tier	250 × 305 × 99	1 × 12	1 × 8GB5008-5KM --	<b>8GB5012-0KM</b>	1	1 unit	1BO
	2-tier	375 × 305 × 99	2 × 12	1 × 8GB5008-5KM 1 × 8GB5005-5KM	<b>8GB5024-0KM</b>	1	1 unit	1BO
	3-tier	515 × 305 × 99	3 × 12	1 × 8GB5015-5KM 1 × 8GB5011-5KM	<b>8GB5036-0KM</b>	1	1 unit	1BO
8GB5001-5KM	<b>① Doors</b>		• Metal door, white					
	1-tier				<b>8GB5001-5KM</b>	1	1 unit	1BO
	2-tier				<b>8GB5002-5KM</b>	1	1 unit	1BO
	3-tier				<b>8GB5003-5KM</b>	1	1 unit	1BO
8GB5001-5KM01	• Plastic door, white		1-tier		<b>8GB5004-5KM</b>	1	1 unit	1BO
	1-tier				<b>8GB5001-5KM01</b>	1	1 unit	1BO
	2-tier				<b>8GB5002-5KM01</b>	1	1 unit	1BO
	3-tier				<b>8GB5003-5KM01</b>	1	1 unit	1BO
				<b>8GB5004-5KM01</b>	1	1 unit	1BO	

## Power Distribution Boards / Distribution Boards

Small Distribution Boards

ALPHA SIMBOX XL Small Distribution Boards

### Surface-mounting distribution boards > IP30 surface-mounting distribution boards

#### Accessories

	Version	SD	Article No. <a href="http://www.siemens.com/product">www.siemens.com/ product</a> ?Article No.	Price per PU	PU (UNIT, SET, M)	PS	PG													
	d																			
 8GB5016-5KM	<b>② Terminal strips with plug-in terminals</b> Number of slots per distribution board: • 1 to 2-tier: 2 units • 3 to 4-tier: 3 units																			
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Type	Potential 1	Potential 2																		
N/PE	$N = 3 \times 25 + 14 \times 4 \text{ mm}^2$	$PE = 3 \times 25 + 14 \times 14 \text{ mm}^2$																		
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PU	$PE = 6 \times 16 + 28 \times 10 \text{ mm}^2$																			
	<b>③ RCCB terminals</b> For distributing the neutral conductor to two RCCBs $N = 3 \times 16 + 2 \times 10 \text{ mm}^2$		<b>8GB5005-5KM</b>	1	1 unit	1BO														
 8GB5005-5KM																				
 8GB5006-5KM	<b>④ Door locking kits</b> • For snapping into door handle • With two keys		<b>8GB5006-5KM</b>	1	1 unit	1BO														
 8GB4683	<b>⑤ Blanking strips</b> • 12 MW wide • Color: white • With increased flame protection up to 850 °C, hence suitable for hollow-wall distribution boards		<b>8GB4683</b>	1	10 units	1BO														

**Surface-mounting distribution boards > IP65 surface-mounting distribution boards****Benefits**

- The wiring space behind the standard mounting rail is between 15 mm and 48 mm, ensuring fast and easy wiring
- The door can be hinged on the right or left without tools
- Door opening angle of 180°
- The withdrawable device rack ensures easy and fast assembly. The generous wiring space and clearly arranged modular design reduce assembly times by approx. 20%
- All plastic materials used can be recycled

**Application**

Due to the high degree of protection IP65, these small distribution boards can withstand harsh ambient conditions in both indoor and outdoor areas. Their resistance to dust and splashing water makes them ideal for use in a range of different application areas, such as car washes, farms, joiners' workshops, etc.

**Special applications**

Due to their large temperature operating range (-25 °C to +60 °C), UV radiation resistance and resistance to dust and splashing water, this small distribution board range is especially suitable for harsh ambient conditions.

**Technical specifications**

Rated current in A	Up to 63
Rated voltage in V AC	400
Rated insulation voltage acc. to IEC/EN 62208 (test values from IEC 61439-1) in V AC / DC	1000
Degree of protection	IP65
Safety class	2 (total insulation)
Color	Light gray RAL 7035
Temperature range	-20 °C to + 60 °C
Impact strength	IK07
Mounting rail spacing	150 mm
Standard mounting rail	35 × 7.5 mm (EN 60715)
Device mounting depth	70 mm
Standards	EN 61439-3, IEC 61439-3

# Power Distribution Boards / Distribution Boards

Small Distribution Boards

ALPHA SIMBOX WP Small Distribution Boards

## Surface-mounting distribution boards

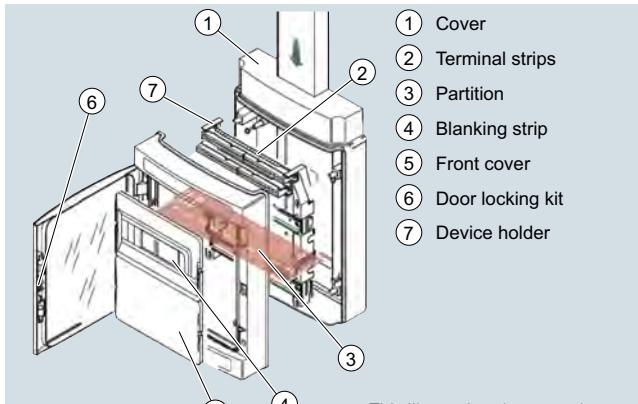
### Overview

#### Features

- In accordance with IEC 60439-3 and EN 61439-1/3
- Degree of protection IP65
- Can be used in outdoor areas (-20 °C to +60 °C)
- Safety class 2 (total insulation)
- UV-resistant
- Transparent doors
- Color: light gray RAL 7035

#### Mounting instructions

- N/PE terminal strips must be ordered separately
- 1 blanking strip is provided for each tier
- For device mounting depths up to 70 mm



This illustration does not show the scope of delivery

### Selection and ordering data

	Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
d							
<b>Surface-mounting distribution boards</b>							
	Type	External dimensions H x W x D in mm	Tiers x MW	② Slots N/PE terminal strips <sup>1)</sup> No. x type			
8GB1371-2	• 1-tier	210 x 143 x 100 210 x 215 x 100 260 x 298 x 140 285 x 410 x 140	1 x 4 1 x 8 1 x 12 1 x 18	-- 1 x 8GB2052-0 1 x 8GB2052-1 1 x 8GB2052-2	<b>8GB1371-0</b> <b>8GB1371-1</b> <b>8GB1371-2</b> <b>8GB1371-3</b>	1 1 1 1	1 unit 1 unit 1 unit 1 unit
8GB1372-2	• 2-tier	420 x 298 x 140 463 x 410 x 140	2 x 12 2 x 18	2 x 8GB2052-1 2 x 8GB2052-2	<b>8GB1372-2</b> <b>8GB1372-3</b>	1 1	1 unit 1 unit
8GB1373-3	• 3-tier	655 x 410 x 140	3 x 18	2 x 8GB2052-2	<b>8GB1373-3</b>	1	1 unit
8GB1374-3	• 4-tier	878 x 410 x 160	4 x 18	4 x 8GB2052-2	<b>8GB1374-3</b>	1	1 unit

<sup>1)</sup> Not included in the scope of delivery of the device.

**Power Distribution Boards / Distribution Boards**Small Distribution Boards  
ALPHA SIMBOX WP Small Distribution Boards**Surface-mounting distribution boards****Accessories**

Version	SD	Article No. <a href="http://www.siemens.com/product?Article No.">www.siemens.com/ product?Article No.</a>	Price per PU	PU (UNIT, SET, M)	PS	PG
 8GB2051-0	d					
<b>① Covers</b> • For connection of conduit and cable duct entries • Convenient snap-on mounting on the distribution board <b>MW</b> • 12 • 18		<b>8GB2051-0</b> <b>8GB2051-1</b>		1 20 units 1 20 units	1BO 1BO	
 8GB2052-0	<b>② N/PE terminal strips</b> For snapping onto device rack <b>MW</b> <b>N</b> 		<b>8GB2052-0</b> <b>8GB2052-1</b> <b>8GB2052-2</b>		1 10 units 1 10 units 1 10 units	1BO 1BO 1BO
 8GB2053-0	<b>③ Inner partitions</b> Horizontal <b>MW</b> • 12 • 18		<b>8GB2053-0</b> <b>8GB2053-1</b>		1 10 units 1 10 units	1BO 1BO
 8GB2055-0	<b>⑤ Front covers</b> <b>MW</b> • 12 • 18		<b>8GB2054-0</b> <b>8GB2054-1</b>		1 20 units 1 20 units	1BO 1BO
 8GB2055-0	<b>⑥ Safety cylinder locks</b> • With key • Made of metal		<b>8GB2055-0</b>		1 10 units	1BO
 8GK9910-0KK00	<b>Blanking strips</b> Color RAL 7035 (light gray) <b>Versions</b> • For 12 MW (1 MW = 18 mm)		<b>8GK9910-0KK00</b>		1 10 units	1BP

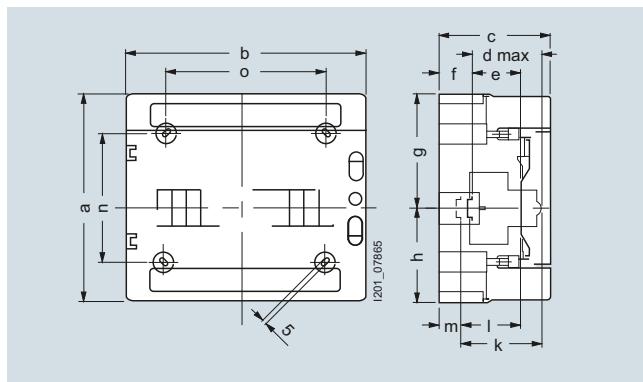
# Power Distribution Boards / Distribution Boards

Small Distribution Boards

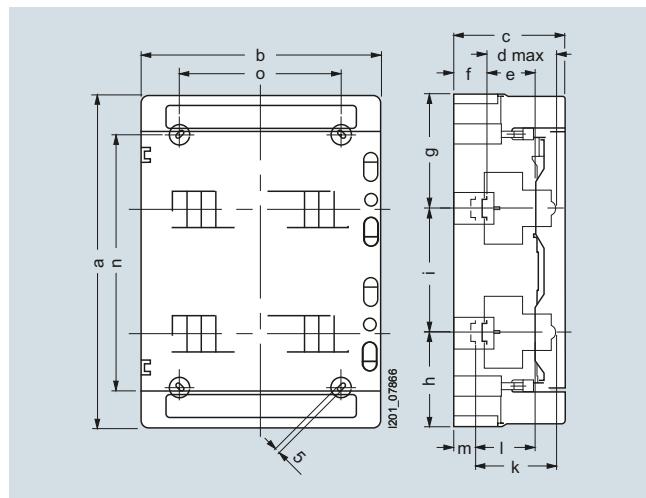
ALPHA SIMBOX WP Small Distribution Boards

## Surface-mounting distribution boards

### Dimensional drawings



1-tier 8GB1371-0, 8GB1371-1, 8GB1371-2, 8GB1371-3



2-tier 8GB1372-2, 8GB1372-3  
(3 and 4-tier versions not shown)

MW	Type	Dimensions													
		a	b	c	d <sub>max</sub>	e	f	g	h	i	k	l	m	n	o
1 × 4	8GB1371-0	210	148	100	75	48	15	105	105	--	--	--	--	156	87
1 × 8	8GB1371-1	210	215	100	75	48	15	105	105	--	--	--	--	110	115
1 × 12	8GB1371-2	260	298	140	75	48	48	117.5	142.5	--	102	75	21	161	200
1 × 18	8GB1371-3	285	410	140	75	48	48	117.5	142.5	--	102	75	21	185	310
2 × 12	8GB1372-2	420	298	140	75	48	48	147.5	122.5	150	102	75	21	320	200
2 × 18	8GB1372-3	463	410	140	75	48	48	155.5	131.5	150	102	75	21	210	293
3 × 18	8GB1373-3	655	410	140	75	48	48	162.5	142.5	175	102	75	21	363	319
4 × 18	8GB1374-3	878	410	160	75	48	48	175	155.5	175	102	75	21	394	319

a = Distribution board height

b = Distribution board width

c = Distribution board depth

g = Device mounting depth

h = Wiring space behind the standard mounting rail