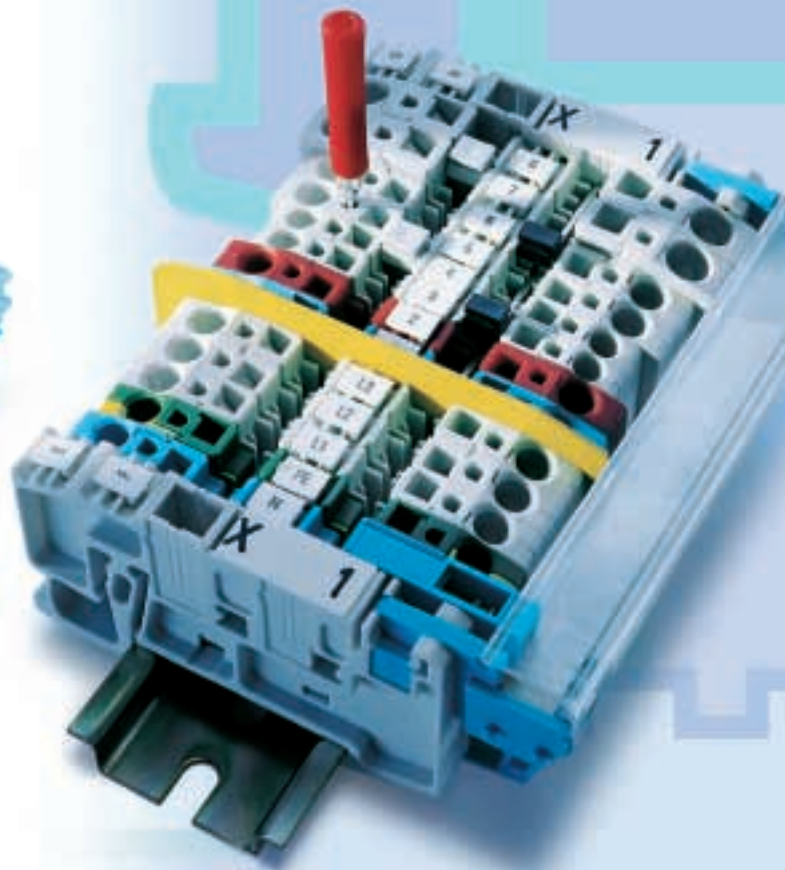
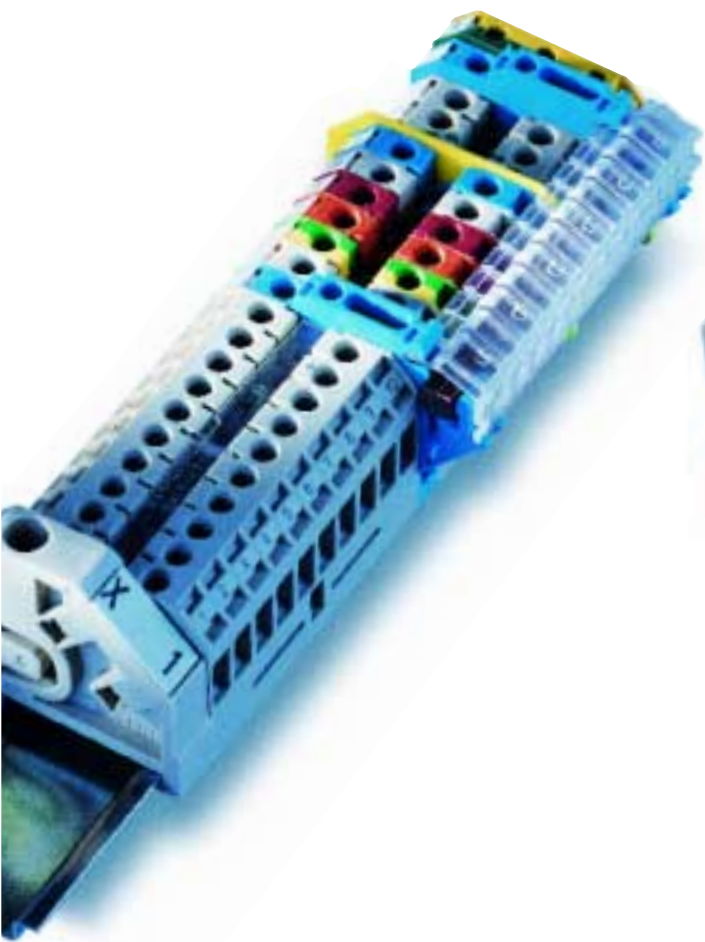


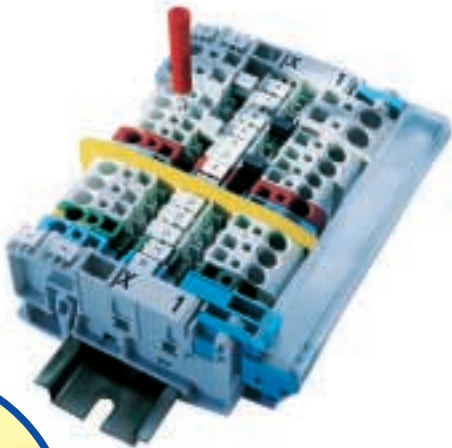
# SIEMENS

## 8WA1 – 8WA2 Terminal Blocks

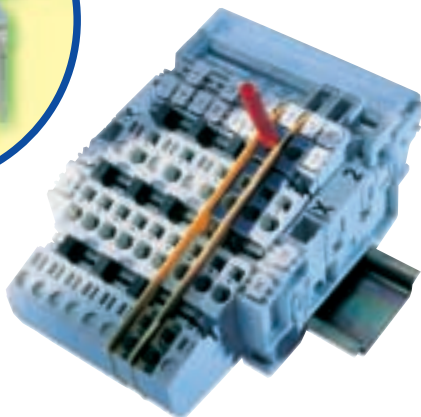


# 8WA2 terminal blocks – open, connect and go

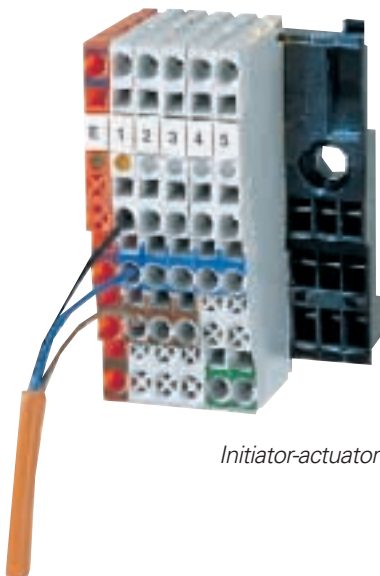
Screwless terminal blocks are much easier to install: simply open the clamping point by applying the assembly tool, insert the conductor and remove the screwdriver to clamp it safely and permanently. No end sleeves are required thanks to the front connections, and the length of insulation to be stripped is printed on the housing.



Through-type, PE and N isolating terminals



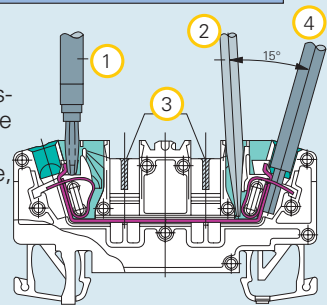
Three-tier terminals



Initiator-actuator terminals

## Cage clamp terminals

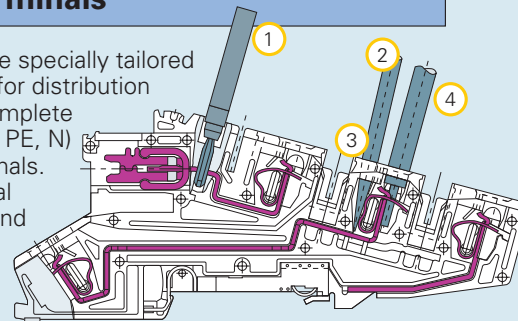
We make **through-type terminals** from 2.5 to 6 mm<sup>2</sup> in versions for 2, 3 or 4 clamping points in grey, red and blue. The bridging accessory – consisting of just three parts – is compatible with all the family members and represents a particularly elegant solution. It is simple to handle, quick, flexible and unique. The 15° between the screwdriver and the funnel-shaped cable entry means it is easy to connect. The **two-tier terminals** save space in the switchgear cubicle.



- 1 Test plug    2 Screwdriver    3 Bridging ducts    4 Conductor

## Insta or three-tier terminals

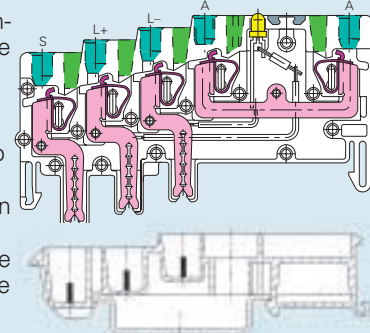
The compact Insta terminals are specially tailored to the mounting requirements for distribution boards in public buildings. A complete three-phase feeder (L1, L2, L3, PE, N) can be fed with only two terminals. A three-phase outgoing terminal (L1, L2, L3) saves both space and costs, while the three bridging ducts enable the feeders to be multiplied. The current path is printed on the body to simplify handling.



- 1 Test plug    2 Screwdriver    3 Bridging ducts    4 Conductor

## Initiator-actuator terminals

The initiator-actuator terminals provide a convenient connection between the PLC and the proximity switches. Only one 5 mm wide terminal is required per initiator or actuator. The terminals are snapped onto connecting modules, which vary in number according to the number of input/output modules. The integrated link rails make potential distribution simple and no accessories are needed for bridging. The coloured identifications and the stepped design facilitate connection, and the switch states are indicated by LEDs.



## Through-type terminals with two bridging ducts

1-pole with 3 clamping points



**2.5 mm<sup>2</sup>/5.2 mm**  
8WA2 011-1DF20, light grey  
8WA2 011-1BF23, blue  
8WA2 011-1BF21, red



**2.5 mm<sup>2</sup>/5.2 mm**  
8WA2 011-1DF30, light grey  
8WA2 011-1BF33, blue

**10 mm<sup>2</sup>/10 mm**  
8WA2 011-1DJ20, light grey  
8WA2 011-1BJ23, blue

**4 mm<sup>2</sup>/6.2 mm**  
8WA2 011-1DG20, light grey  
8WA2 011-1BG23, blue  
8WA2 011-1BG21, red

1-pole with 4 clamping points

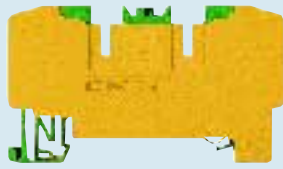


**4 mm<sup>2</sup>/6.2 mm**  
8WA2 011-1DG30, light grey  
8WA2 011-1BG33, blue

**16 mm<sup>2</sup>/12 mm**  
8WA2 011-1DK20, light grey  
8WA2 011-1BK23, blue

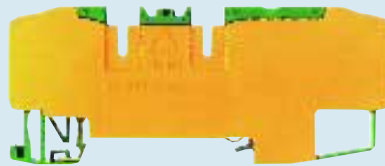
**2.5 mm<sup>2</sup>/5.2 mm**  
8WA2 011-1DF40, light grey  
8WA2 011-1BF43, blue

## PE terminals



**2.5 mm<sup>2</sup>/5.2 mm**  
8WA2 011-1PF20, green/yellow  
**4 mm<sup>2</sup>/6.2 mm**  
8WA2 011-1PG20, green/yellow  
**6 mm<sup>2</sup>/8.2 mm**  
8WA2 011-1PH20, green/yellow  
**10 mm<sup>2</sup>/10 mm**  
8WA2 011-1PJ20, green/yellow  
**16 mm<sup>2</sup>/12 mm**  
8WA2 011-1PK20, green/yellow

with 3 or 4 clamping points

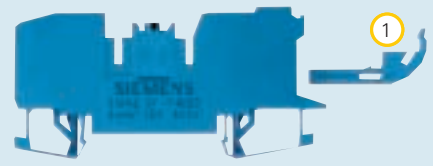


**2.5 mm<sup>2</sup>/5.2 mm**  
8WA2 011-1PF30, green/yellow  
8WA2 011-1PF40, green/yellow

**4 mm<sup>2</sup>/6.2 mm**  
8WA2 011-1PG30, green/yellow

## N isolating terminals

N isolating terminals for  
N busbar Cu 10 x 3 mm



**4 mm<sup>2</sup>/6.2 mm**  
8WA2 011-1NG23, blue  
**6 mm<sup>2</sup>/8.2 mm**  
8WA2 011-1NH23, blue  
**16 mm<sup>2</sup>/12 mm**  
8WA2 011-1NK20, blue

① 8WA2 843, N busbar rail

## Insta or three-tier terminals with three bridging ducts

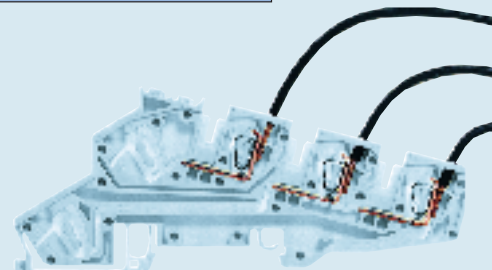
Insta terminals 4 mm<sup>2</sup>/6.2 mm



PE, L, NT

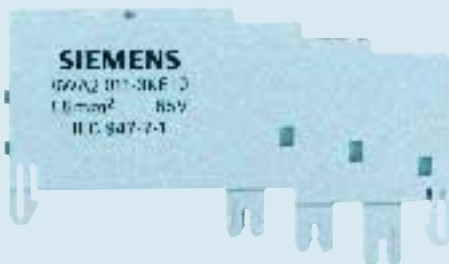
PE, L, NT 8WA2 011-3JG10  
L, L 8WA2 011-3JG12  
for three-phase feeder  
L 8WA2 011-3JG15  
PE, L, L 8WA2 011-3JG16  
PE, L, N 8WA2 011-3JG17  
L, L 8WA2 011-3JG18

Three-phase outgoing terminal  
L, L, L 8WA2 011-3JG30  
fed with  
8WA2011-3JG12 and -3JG15



L, L, L

## Initiator-actuator terminals



**Feeder terminals:**

Version

**PNP**  
(L+, L-) without LED  
(L+, L-, S) without LED  
(L+, L-, S) with green LED, 15–30 V  
(L+, L-, S) with green LED, 30–65 V

Colour

orange 8WA2 011-3KE01  
orange 8WA2 011-3KE00  
orange 8WA2 011-3KE02  
orange 8WA2 011-3KE03

Type

**Initiator terminals:**

(L+, L-, A) without LED  
(L+, L-, A) with yellow LED, 15–30 V  
(L+, L-, A) with yellow LED, 30–65 V  
(L+, L-, S, A) without LED  
(L+, L-, S, A) with yellow LED, 15–30 V  
(L+, L-, S, A) with yellow LED, 30–65 V

light grey 8WA2 011-3KE10  
light grey 8WA2 011-3KE12  
light grey 8WA2 011-3KE14  
light grey 8WA2 011-3KE11  
light grey 8WA2 011-3KE13  
light grey 8WA2 011-3KE15

**Actuator terminals:**

(L+, S, A) without LED  
(L-, S, A) with yellow LED, 15–30 V  
(L-, S, A) with yellow LED, 30–65 V

light grey 8WA2 011-3KE31  
light grey 8WA2 011-3KE33  
light grey 8WA2 011-3KE35

**Feeder terminals:**

**NPN**

(L+, L-) without LED  
(L+, L-, S) without LED  
(L+, L-, A) with yellow LED, 15–30 V  
(L-, S, A) without LED

orange 8WA2 011-3KE01  
orange 8WA2 011-3KE00  
light grey 8WA2 011-3KE22  
light grey 8WA2 011-3KE30

**Connecting modules:**

for 8 initiator or actuator terminals  
and 1 feeder terminal  
for 16 initiator or actuator terminals  
and 1 feeder terminal, 1 clamping point  
for through-bridging

black 8WA2 011-3KE50  
black 8WA2 011-3KE51



## Two-tier terminals



### 2-pole

4 mm<sup>2</sup>/6.2 mm

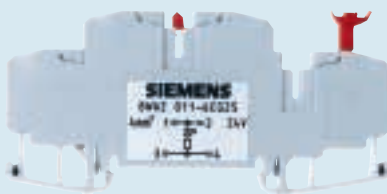
8WA2 011-2DG20, light grey  
8WA2 011-2BG23, blue

### 1-pole

4 mm<sup>2</sup>/6.2 mm

8WA2 011-2DG40, light grey  
8WA2 011-2BG43, blue

## Diode terminals



### 4 mm<sup>2</sup>/6.2 mm

8WA2 011-6EG20  
8WA2 011-6EG21  
8WA2 011-6EG22  
8WA2 011-6EG23  
8WA2 011-6EG24  
8WA2 011-6EG25

### 2.5 mm<sup>2</sup>/5.2 mm

8WA2 011-1EF20

## Fuse terminals



### 4 mm<sup>2</sup>/10 mm

8WA2 011-1SG20  
8WA2 011-1SG21, with LED; 24 V  
8WA2 011-1SG22, with LED; 48 V  
8WA2 011-1SG23, with LED; 230 V

## Sliding-link terminal



### 2.5 mm<sup>2</sup>/5.2 mm

8WA2 011-1LF20

## Terminal for components



### 4 mm<sup>2</sup>/10 mm

8WA2 011-1SG28 terminal  
8WA1 822-7EE00 plug

## Shield terminals



### 0–8 mm

8WA4 301

### 7–16 mm

8WA4 302

### 6–24 mm

8WA4 303

## Accessories

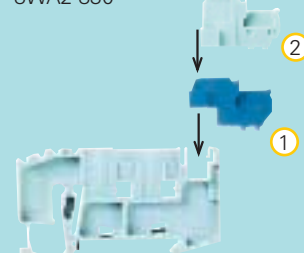


**Link**  
8WA2 831, light grey  
(insert between two terminals)



**1-pin plug**  
8WA2 832, black  
(insert centrally in the terminal)

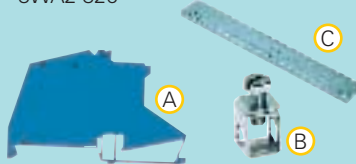
**Link rail, 500 mm long,  
to be used with 1-pin plug**  
8WA2 830



**End retainer**  
8WA2 808

① **N busbar end, blue, for insertion  
into end retainer for N isolating  
terminals**  
8WA2 837

② **N busbar end, grey, for insertion  
into end retainer for Insta terminals**  
8WA2 826



A **N feeder terminals with  
16 mm<sup>2</sup> screw connection  
for Insta terminals**  
8WA2 011-3JG11

**for N isolating terminals**  
8WA2 011-1NK23

B **Feeder terminal up to 35 mm<sup>2</sup>  
for N busbars 10 x 3 mm**  
8WA2 846

C **N busbar 10 x 3 mm**  
8WA2 842

**Barriers:**



**for through-type terminals**  
8WA2 811



**for two-tier terminals**  
8WA2 812



**for Insta terminals**  
8WA2 816

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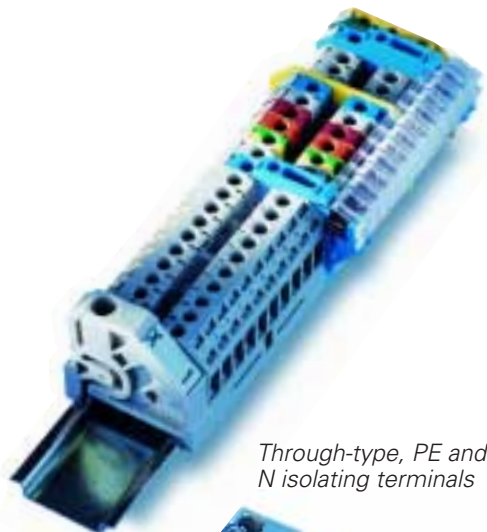
### Labels for 8WA1 and 8WA2:



Horizontal inscription	Order No. suffix
8WA8 861...	
1...20 (10x)	0AB
1...40 (5x)	0AC
41...100 (3x)	0AD
101...200 (2x)	0AF
201...300 (2x)	0AG
1...9, empty (20x)	0AA
1...100 (2x)	0AE

# 8WA terminal blocks

Terminal blocks from Siemens are symmetrical and automatically snapped on the right way round. They are closed at both ends, so that end plates are not required. Our labels are supplied in the form of cards and can be fixed easily to both families – the 8WA1 screw terminals and the 8WA2 cage clamp terminals.



Through-type, PE and N isolating terminals



Insta or three-tier terminals



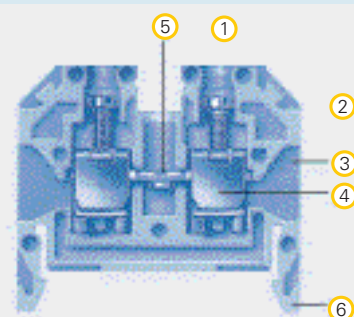
Circuit-breaker terminal

## 8WA1 screw terminals

Our SIGUT connection technique saves assembly time: SIGUT is an acronym that stands for "Siemens open, captive screws with funnel-shaped cable entry on one plane". This technique prevents the cables from being pushed right through or inserted too far.

The complete **three- and tenway-terminal blocks** permit long terminal strips to be assembled even faster than in the past. They represent an economical alternative to single terminals.

- ① Screwdriver guide
- ② Recess for label
- ③ Funnel-shaped cable entry
- ④ Terminal body
- ⑤ Threaded hole for parallel link rail
- ⑥ Elastic feet



## Two and three-tier terminals

**Two-tier terminals** save space in the switchgear cubicle. An extremely wide range of circuits can be assembled in combination with solid-state components.

**Three-tier terminals** save space both on the distribution board and in the switchgear cubicle. The N isolating terminals used in building installation systems have to comply with the requirement that insulation tests be performed without disconnecting the neutral conductor. These tests are simplified by the integrated test sockets. The dimensions are specially tailored to the mounting requirements for distribution board thicknesses according to DIN 43880. Single-pole lighting and socket-outlet circuits can be constructed in a confined space with just one Insta terminal, or three-pole, three-phase circuits with two terminals.



Insta terminal PE, L, NT

## Special terminals

**Fuse terminals** are used to protect the control circuit against short-circuiting. The holder has a holder for a spare fuse.

**Measuring transformer terminals** can be used for testing and isolating circuits without any interruption of operation. The isolating and isolating measuring terminals permit electrical isolation between the input and output of a terminal.

**Circuit-breaker terminals** are used for short-circuit protection or for protection against overloading and short-circuiting in auxiliary and control circuits downstream of control transformers.



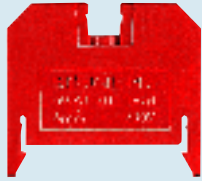
Fuse terminal

## Through-type terminals



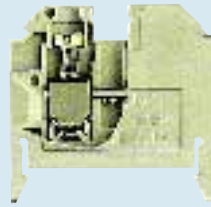
### 2.5 mm<sup>2</sup>/6 mm

8WA1 011-1DF11, beige  
8WA1 011-1BF21, red  
8WA1 011-1BF22, orange  
8WA1 011-1BF23, blue  
8WA1 011-1PF11, green/yellow  
8WA1 011-3DF21, 3-pole  
8WA1 011-ODF22, 10-pole with inscription  
8WA1 011-ODF21, 10-pole without inscription



### 4 mm<sup>2</sup>/6.5 mm

8WA1 011-1DG11, beige  
8WA1 011-1BG11, blue  
8WA1 011-1BG21, red  
8WA1 011-1BG22, orange  
8WA1 011-1PG11, green/yellow  
8WA1 011-3DG21, 3-pole  
8WA1 011-ODG22, 10-pole with inscription  
8WA1 011-ODG21, 10-pole without inscription



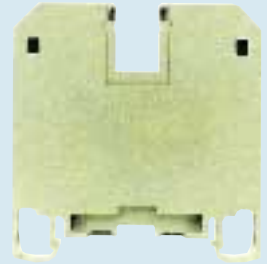
### 6 mm<sup>2</sup>/8 mm

8WA1 011-1DH11, beige  
8WA1 011-1BH23, blue  
8WA1 011-1PH11, green/yellow  
8WA1 011-3DH21, 3-pole



### 16 mm<sup>2</sup>/10 mm

8WA1 204, beige  
8WA1 011-1BK11, blue  
8WA1 304, 3-pole



### 35 mm<sup>2</sup>/16 mm

8WA1 205, beige  
8WA1 011-1BM11, blue  
8WA1 305, 3-pole

## PE terminals with connection to standard mounting rail



### 2.5 mm<sup>2</sup>/6 mm

8WA1 011-1PF01, 1 connection  
8WA1 011-1PF00, 2 connections



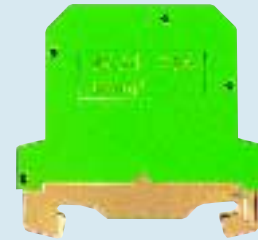
### 4 mm<sup>2</sup>/7.2 mm

8WA1 011-1PG01, 1 connection  
8WA1 011-1PG00, 2 connections



### 6 mm<sup>2</sup>/8 mm

8WA1 011-1PH00, 2 connections  
8WA1 011-1PH01, bare



### 16 mm<sup>2</sup>/12 mm

8WA1 011-1PK00, 2 connections



### 35 mm<sup>2</sup>/16 mm

8WA1 011-1PM00, 2 connections

## Insta or three-tier terminals



### 2.5 mm<sup>2</sup>/6 mm

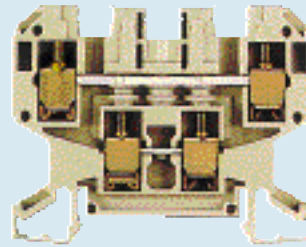
8WA1 011-3JF20  
8WA1 011-3JF16  
8WA1 011-3JF17  
8WA1 011-3JF18

### Version

PE, L, NT  
PE, L, L  
PE, L, N,  
L, L

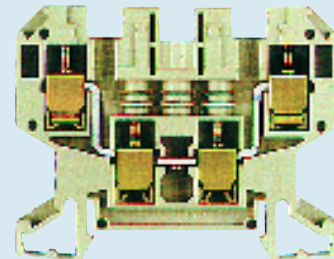
PE, L, NT

## Two-tier terminals



### 4 mm<sup>2</sup>/6.5 mm

8WA1 011-2DG11, 2-pole  
8WA1 011-2BG11, 2-pole blue



### 4 mm<sup>2</sup>/6.5 mm

8WA1 011-6DG11, 1-pole  
8WA1 011-6BG11, 1-pole blue

## Isolating terminals, measuring transformer terminals, fuse terminals



### 2.5 mm<sup>2</sup>/6 mm

8WA1 501, screw/screw  
8WA1 511, screw/solder



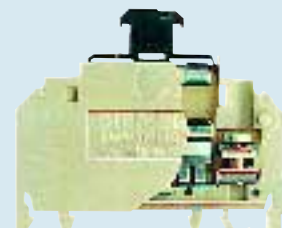
### 6 mm<sup>2</sup>/8 mm

8WA1 011-1MH10, without test sockets



### 6 mm<sup>2</sup>/8 mm

8WA1 011-1MH11, without test sockets  
8WA1 011-1MH15, with test sockets



### 2 x 1.5 mm<sup>2</sup>/10 mm

8WA1 011-1SF12

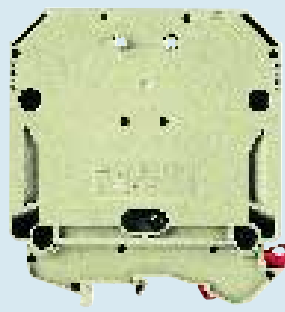




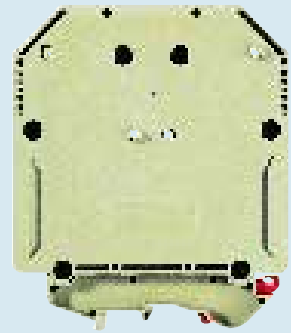
70 mm<sup>2</sup>/25 mm  
8WA1 206



95 mm<sup>2</sup>/25 mm  
8WA1 011-1DQ10

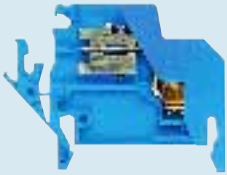


150 mm<sup>2</sup>/31 mm  
8WA1 011-1DS10



240 mm<sup>2</sup>/36 mm  
8WA1 011-1DU10

## N isolating terminals



2.5 mm<sup>2</sup>/6 mm  
8WA1 011-1NF01



4 mm<sup>2</sup>/6.5 mm  
8WA1 011-1NG31

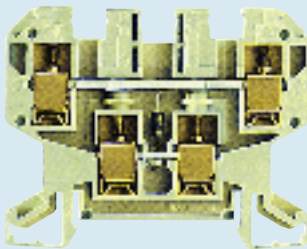


6 mm<sup>2</sup>/8 mm  
8WA1 011-1NH01

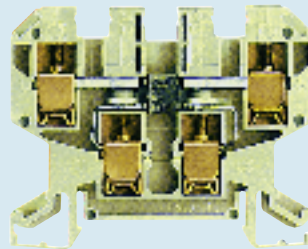


16 mm<sup>2</sup>/10 mm  
8WA1 604

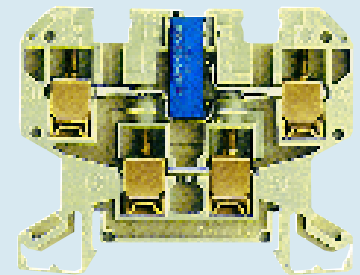
## Two-tier terminals with solid-state components



4 mm<sup>2</sup>/6.5 mm with diodes  
8WA1 011-6EG20  
8WA1 011-6EG21  
8WA1 011-6EG22  
8WA1 011-6EG23  
8WA1 011-6EG24  
8WA1 011-6EG44



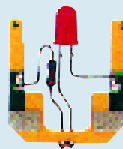
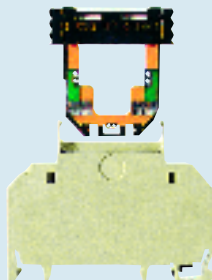
4 mm<sup>2</sup>/6.5 mm Rectifier  
8WA1 011-6EG27  
8WA1 011-6EG25  
8WA1 011-6EG26  
LED  
LED



4 mm<sup>2</sup>/6.5 mm Balancing terminal  
8WA1 011-6EG51

## Terminal for components

1.5 mm<sup>2</sup>/10 mm  
8WA1 011-1EE00 Terminal  
8WA1 822-7EE00 Plug



Equipment example

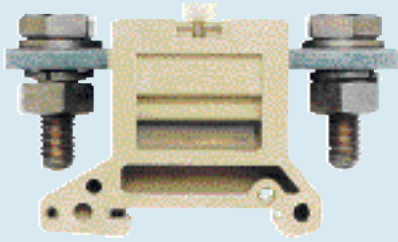
## Circuit-breaker terminals

**With short-circuit release**  
8WA1 011-1SF24, 1 A  
8WA1 011-1SF25, 2 A  
8WA1 011-1SF26, 4 A  
8WA1 011-1SF27, 6 A  
8WA1 011-1SF28, 10 A  
**With overload and short-circuit release**  
8WA1 011-2SF24, 1 A  
8WA1 011-2SF25, 2 A  
8WA1 011-2SF26, 4 A  
8WA1 011-2SF27, 6 A  
8WA1 011-2SF28, 10 A



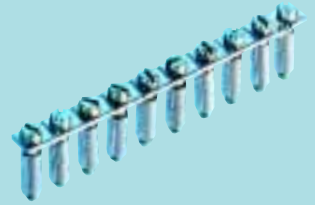
2 x 1.5 mm<sup>2</sup>/12.5 mm

## Flat-type and bolt-type terminals



**70 mm<sup>2</sup>/32 mm**  
8WA1 012-1DP14  
**95 mm<sup>2</sup>/46 mm**  
8WA1 012-1DQ14  
**150 mm<sup>2</sup>/46 mm**  
8WA1 012-1DS14  
**240 mm<sup>2</sup>/54 mm**  
8WA1 012-1DU14

## Accessories



### Link rails, 10-pole

8WA1 898 for 2.5 mm<sup>2</sup> through-type terminal  
8WA1 853 for 4 mm<sup>2</sup> through-type terminal  
8WA1 888 for 6 mm<sup>2</sup> through-type terminal  
8WA1 802 for 16 mm<sup>2</sup> through-type terminal  
8WA1 822-7VF10 for 2.5 mm<sup>2</sup> Insta terminal

## Branch terminals

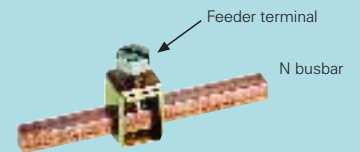


**2.5 mm<sup>2</sup>/6 mm**  
8WA1 011-1NF02  
**4 mm<sup>2</sup>/6.5 mm**  
8WA1 011-1NG32  
**6 mm<sup>2</sup>/8 mm**  
8WA1 011-1NH02  
**16 mm<sup>2</sup>/10 mm**  
8WA1 011-1NK02



### End retainer

8WA1 808



### N busbar 6 x 6 mm

8WC5 020



### Feeder terminals for N busbars 6 x 6 mm and 10 x 3 mm

**Connection up to 4 mm<sup>2</sup>**

8WA2 867

**Connection up to 25 mm<sup>2</sup>**

8WA2 868

**Connection up to 35 mm<sup>2</sup>**

8WA2 870

## Terminals with solid-state components



**2.5 mm<sup>2</sup>/6 mm**  
8WA1 011-1EF20 Diode  
8WA1 011-1EF24 Zener diode  
8WA1 011-1EF28 Reference diode



### Barriers

8WA1 820 for 2.5 and 4 mm<sup>2</sup>  
8WA1 821 for 6 and 16 mm<sup>2</sup>  
8WA1 822-7TH00 for Insta terminals  
8WA1 823 for two-tier terminals

**Labels: see overleaf**

## Transformer terminal



**4 mm<sup>2</sup>/7.5 mm**  
8WA9 200 Terminal

### With overload and short-circuit release, auxiliary switch and through connection

8WA1 011-4SF24, 1 A  
8WA1 011-4SF25, 2 A  
8WA1 011-4SF26, 4 A  
8WA1 011-4SF27, 6 A  
8WA1 011-4SF28, 10 A

### With overload and short-circuit release, auxiliary switch with 1 NO and 1 NC contact

8WA1 011-8SF23, 0.5 A  
8WA1 011-8SF24, 1 A  
8WA1 011-8SF25, 2 A  
8WA1 011-8SF26, 4 A  
8WA1 011-8SF27, 6 A  
8WA1 011-8SF28, 10 A

**2 x 1.5 mm<sup>2</sup>/22.5 mm**

