

Terminal blocks

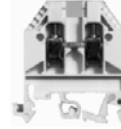
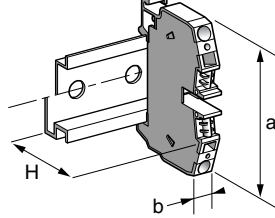
Screw technology

Passthrough



Clip-on mounting on 35 mm rails

Nominal c.s.a.

2.5 mm²







AB1 VV235U●●

| | | |
|---|--|--|
| Dimensions in mm | Length (a) | 40 |
| | Width (b) | 5 |
| | Height (H) with  | 56 |
| Cabling c.s.a. in mm² | Flex. cable w/o cable end | 0.5 to 2.5 |
| | Flex. cable + cable end | 0.5 to 1.5 |
| | Solid cable | 0.5 to 4 |
| Nominal electrical values | IEC/EN 60947-7-1 (1) | 800 V / 8 kV / 3 - 24 A |
| | UL | 22 - 12 AWG, 600 V, 20 A |
| | CSA | 24 - 12 AWG, 600 V, 25 A |
| | UTE, category C | ~ 500 V, --- 500 V |
| | VDE, group C | ~ 750 V, --- 900 V, 26 A |
| | ATEX - EEx eII  II 2GD | 2.5 mm ² , 750 V, 23 A, KEMA 02 ATEX 2114 U |
| Certifications | See pages 13517/4 and 13517/5 | |


Terminal blocks

| | No. points | Sold in lots of | Unit reference | Weight g |
|--------|------------|-----------------|----------------|----------|
| Grey | 2 | 100 | AB1 VV235U | 6.5 |
| Blue | 2 | 100 | AB1 VV235UBL | 6.5 |
| Orange | 2 | 100 | AB1 VV235UGE | 6.5 |
| Red | - | - | - | - |
| Green | - | - | - | - |
| White | - | - | - | - |
| Black | - | - | - | - |

Accessories (Dimensions in mm)

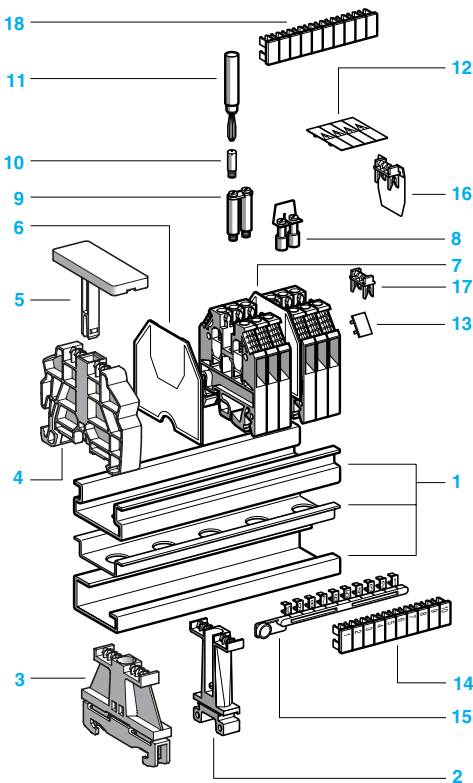
| | | | | | | |
|-------|---|--|----|-----|-------------------|-------|
| 2 | Plastic end stop with screw | Width 7.5 on  | - | 100 | AB1 AB7P32 | 4.2 |
| | | Width 8 on  | - | 100 | AB1 AB8P35 | 5.9 |
| 3 | Metal end stop with screw | Width 10 on  | - | 100 | AB1 AB10M32 | 6.5 |
| | | Width 8 on  | - | 100 | AB1 AB8M35 | 14.8 |
| 4 | Clip-on plastic end stop (2) | | - | 100 | AB1 AB8R35 | 5.9 |
| 5 | Marker holder for clip-on plast. end stop | | - | 10 | AB1 SB4 | 3.1 |
| 6 | End plate (thickness 1.5) | Grey | - | 50 | AB1 AC24 | 1.9 |
| | | Blue | - | 50 | AB1 AC24BL | 1.9 |
| | | Orange | - | 50 | AB1 AC24GE | 1.9 |
| | | Red | - | - | - | - |
| | | Black | - | - | - | - |
| 7 | Partition plate (thickness 1.5) | Grey | - | 50 | AB1 AS24 | 2.6 |
| | | Blue | - | 50 | AB1 AS24BL | 2.6 |
| | | Red | - | - | - | - |
| | | Black | - | - | - | - |
| 8 | Commoning link with screws | Non insulated | 80 | 10 | AB1 AL2 | 105.0 |
| | | Insulated (3) | 2 | 10 | AB1 ALN22 | 2.0 |
| 10 | Socket for test plug | | 10 | 10 | AB1 ALN210 | 10.0 |
| 9 | Pivoting commoning link for 2 blocks (1) | | 2 | 50 | AB1 BL2 | 10.0 |
| 11 | Test plug | | - | 50 | AB1 A2 (Ø 2.3 mm) | 0.5 |
| 12 | "Danger" live terminals cover | | - | 50 | AB1 AT1 (red) | 1.7 |
| 13/15 | Marking accessories | | 4 | 100 | AB1 CS2 | 0.2 |
| 16 | Yellow partition plate | | 1 | 100 | AB1 CJ2 | 0.3 |
| 17/18 | Yellow protective cover | Single point | 1 | 100 | AB1 CA2 | 0.1 |
| | | 10 points | - | - | - | - |

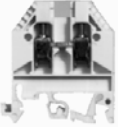
(1) When using pivoting commoning links, the rated voltage is reduced to 400 V/6 kV/3.

(2) Width 8 on .

(3) Depending on the size of the terminal block, other commoning links between 2 and 12 points are available (please consult your Regional Sales Office).

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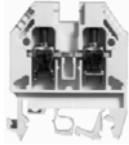
Clip-on mounting on 35 mm $\frac{1}{4}$ rails4 mm²

AB1 VV435U●●●

| |
|------|
| 40 |
| 6 |
| 56 |
| 48.5 |
| 53 |

| |
|------------|
| 0.5 to 4 |
| 0.5 to 2.5 |
| 0.5 to 6 |

800 V / 8 kV / 3 - 32 A
 22 - 10 AWG, 600 V, 30 A
 20 - 10 AWG, 600 V, 40 A
 ~ 500 V, --- 500 V
 ~ 750 V, --- 900 V, 34 A
 4 mm², 750 V, 14 / 27 A, KEMA 02 ATEX 2114 U
 See pages 13517/4 and 13517/5

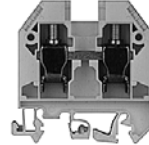
6 mm²

AB1 VV635U●●

| |
|------|
| 46 |
| 8 |
| 61 |
| 53.5 |
| 58 |

| |
|-----------|
| 0.5 to 6 |
| 0.5 to 6 |
| 0.5 to 10 |

800 V / 8 kV / 3 - 41 A
 22 - 8 AWG, 600 V, 50 A
 20 - 8 AWG, 600 V, 45 A
 ~ 500 V, --- 500 V
 ~ 750 V, --- 900 V, 44 A
 6 mm², 750 V, 35 / 38 A, KEMA 02 ATEX 2114 U
 See pages 13517/4 and 13517/5

10 mm²

AB1 VVN1035U●●

| |
|------|
| 51 |
| 10 |
| 62.5 |
| 55 |
| 59.5 |

| |
|-----------|
| 2.5 to 10 |
| 2.5 to 10 |
| 6 to 16 |

800 V / 8 kV / 3 - 57 A
 16 - 6 AWG, 600 V, 65 A
 16 - 6 AWG, 600 V, 70 A
 ~ 500 V, --- 500 V
 ~ 750 V, --- 900 V, 63 A
 10 mm², 750 V, 43 / 56 A, KEMA 02 ATEX 2114 U
 See pages 13517/4 and 13517/5

Terminal blocks

| No. points | Sold in lots of | Unit reference | Weight g | No. points | Sold in lots of | Unit reference | Weight g | No. points | Sold in lots of | Unit reference | Weight g |
|------------|-----------------|----------------|----------|------------|-----------------|----------------|----------|------------|-----------------|----------------|----------|
| 2 | 100 | AB1 VV435U | 7.8 | 2 | 100 | AB1 VV635U | 14.8 | 2 | 50 | AB1 VVN1035U | 26.0 |
| 2 | 100 | AB1 VV435UBL | 7.8 | 2 | 100 | AB1 VV635UBL | 14.8 | 2 | 50 | AB1 VVN1035UBL | 26.0 |
| 2 | 100 | AB1 VV435UGE | 7.8 | 2 | 100 | AB1 VV635UGE | 14.8 | - | - | - | - |
| 2 | 100 | AB1 VV435URO | 7.8 | - | - | - | - | - | - | - | - |
| 2 | 100 | AB1 VV435UVE | 7.8 | - | - | - | - | - | - | - | - |
| 2 | 100 | AB1 VV435UBLA | 7.8 | - | - | - | - | - | - | - | - |
| 2 | 100 | AB1 VV435UNO | 7.8 | - | - | - | - | - | - | - | - |

Accessories (Dimensions in mm)

| | | | | | | | | | | | |
|-------------------------------|-----|-------------------|-------|----|-----|-----------------|-------|----|-----|------------------|-------|
| - | 100 | AB1 AB7P32 | 4.2 | - | 100 | AB1 AB7P32 | 4.2 | - | 100 | AB1 AB7P32 | 4.2 |
| - | 100 | AB1 AB8P35 | 5.9 | - | 100 | AB1 AB8P35 | 5.9 | - | 100 | AB1 AB8P35 | 5.9 |
| - | 100 | AB1 AB10M32 | 6.5 | - | 100 | AB1 AB10M32 | 6.5 | - | 100 | AB1 AB10M32 | 6.5 |
| - | 100 | AB1 AB8M35 | 14.8 | - | 100 | AB1 AB8M35 | 14.8 | - | 100 | AB1 AB8M35 | 14.8 |
| - | 100 | AB1 AB8R35 | 5.9 | - | 100 | AB1 AB8R35 | 5.9 | - | 100 | AB1 AB8R35 | 5.9 |
| - | 10 | AB1SB4 | 3.1 | - | 10 | AB1SB4 | 3.1 | - | 10 | AB1SB4 | 3.1 |
| - | 50 | AB1 AC24 | 1.9 | - | 50 | AB1 AC6 | 2.6 | - | 10 | AB1 ACN10 | 3.7 |
| - | 50 | AB1 AC24BL | 1.9 | - | 50 | AB1 AC6BL | 2.6 | - | 10 | AB1 ACN10BL | 3.7 |
| - | 50 | AB1 AC24GE | 1.9 | - | 50 | AB1 AC6GE | 2.6 | - | - | - | - |
| - | 50 | AB1 AC24RO | 1.9 | - | - | - | - | - | - | - | - |
| - | 50 | AB1 AC24NO | 1.9 | - | - | - | - | - | - | - | - |
| - | 50 | AB1 AS24 | 2.6 | - | 50 | AB1 AS6 | 3.3 | - | 10 | AB1 ASN10 | 4.5 |
| - | 50 | AB1 AS24BL | 2.6 | - | 50 | AB1 AS6BL | 3.3 | - | - | - | - |
| - | 50 | AB1 AS24RO | 2.6 | - | - | - | - | - | - | - | - |
| - | 50 | AB1 AS24NO | 2.6 | - | - | - | - | - | - | - | - |
| 70 | 10 | AB1 AL4 | 145.0 | 40 | 10 | AB1 AL6 | 237.0 | 40 | 10 | AB1 ALN10 | 180.0 |
| 2 | 10 | AB1 ALN42 | 2.9 | 2 | 10 | AB1 ALN62 | 6.1 | 2 | 10 | AB1 ALN102 | 11.6 |
| 10 | 10 | AB1 ALN410 | 18.0 | 10 | 10 | AB1 ALN610 | 30.5 | 10 | 10 | AB1 ALN1010 | 58.0 |
| 2 | 50 | AB1 BL4 | 12.0 | 2 | 50 | AB1 BL6 | 16.0 | 2 | 50 | AB1 BL10 | 22.0 |
| - | 50 | AB1 A4 (Ø 2.3 mm) | 5.4 | - | 50 | AB1 A6 (Ø 4 mm) | 1.0 | - | 50 | AB1 A10 (Ø 4 mm) | 1.0 |
| - | 50 | AB1 AT1 (red) | 1.7 | - | 50 | AB1 AT2 (black) | 1.7 | - | 50 | AB1 AT2 (black) | 1.7 |
| 1 | 100 | AB1 CS4 | 0.8 | 1 | 100 | AB1 CS6 | 1.5 | 4 | 10 | AB1 CSN10 | 1.4 |
| See pages 13511/2 and 13511/3 | | | | | | | | | | | |
| 1 | 100 | AB1 CJ4 | 0.9 | 1 | 100 | AB1 CJ6 | 0.5 | 1 | 10 | AB1 CJN10 | 0.7 |
| 1 | 100 | AB1 CA4 | 0.1 | 1 | 100 | AB1 CA6 | 0.2 | 1 | 100 | AB1 CA10 | 0.3 |
| 10 | 50 | AB1 CA410ET | 1.0 | - | - | - | - | - | - | - | - |

Terminal blocks

Screw technology

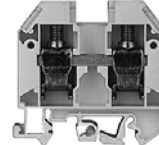
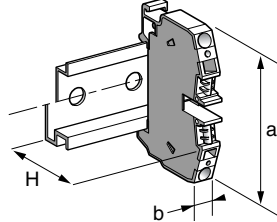
Passthrough

ZZ1-3

Clip-on mounting on 35 mm rails




Nominal c.s.a.

16 mm²



AB1 VVN1635U●●


Dimensions in mm

| | |
|--|------|
| Length (a) | 57.5 |
| Width (b) | 12 |
| Height (H)  | 65 |
| with  | 57.5 |
| with  | 62 |

Cabling c.s.a. in mm²

| | |
|----------------------------------|----------|
| Flexible cable without cable end | 4 to 16 |
| Flexible cable with cable end | 4 to 16 |
| Solid cable | 10 to 25 |

Nominal electrical values

| | |
|---|--|
| IEC/EN 60947-7-1 | 800 V / 8 kV / 3 -76 A |
| UL | 12 - 4 AWG, 600 V, 85 A |
| CSA | 14 - 4 AWG, 600 V, 95 A |
| UTE, category C | ~ 500 V, --- 500 V |
| VDE, group C | ~ 750 V, --- 900 V, 85 A |
| ATEX - EEx eII  II 2GD | 16 mm ² , 750 V, 66 / 71 A, KEMA 02 ATEX 2114 U |









Certifications

See pages 13517/4 and 13517/5

Terminal blocks

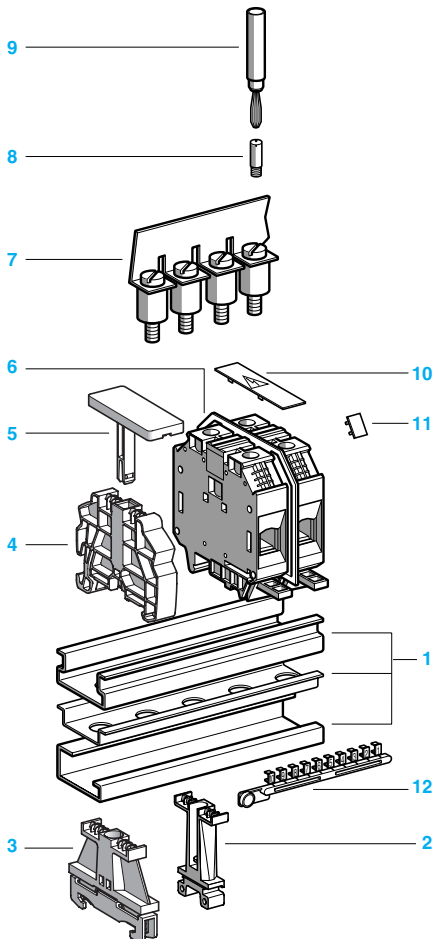
| | No. points | Sold in lots of | Unit reference | Weight g |
|------|------------|-----------------|----------------|----------|
| Grey | 2 | 50 | AB1 VVN1635U | 40.0 |
| Blue | 2 | 50 | AB1 VVN1635UBL | 40.0 |

Accessories (Dimensions in mm)

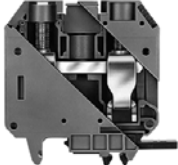
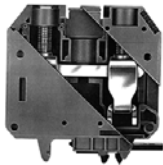
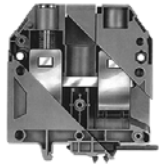
| | | | | | | |
|---------------------------|--|---|-------------------------------|-----|-------------|-------|
| 2 | Plastic end stop with screw | Width 7.5 on  | - | 100 | AB1 AB7P32 | 4.2 |
| | | Width 8 on  or  | - | 100 | AB1 AB8P35 | 5.9 |
| 3 | Metal end stop with screw | Width 10 on  | - | 100 | AB1 AB10M32 | 6.5 |
| | | Width 8 on  or  | - | 100 | AB1 AB8M35 | 14.8 |
| 4 | Clip-on plastic end stop | Width 8 on  or  | - | 100 | AB1 AB8R35 | 5.9 |
| 5 | Marker tag holder for clip-on plastic end stop | | - | 10 | AB1 SB4 | 3.1 |
| End plate (thickness 1.5) | Grey | | - | 10 | AB1 ACN16 | 5.4 |
| | Blue | | - | 10 | AB1 ACN16BL | 5.4 |
| 6 | Partition plate (thickness 1.5) | Grey (width 2.0) | - | 10 | AB1 ASN16 | 6.4 |
| | | Grey (width 3.0) | - | - | - | - |
| 7 | Commoning link with screws | Non insulated | 30 | 10 | AB1 ALN16 | 320.0 |
| | | Insulated (1) | 2 | 10 | AB1 ALN162 | 25.0 |
| | | | 10 | 10 | AB1 ALN1610 | 125.0 |
| 8 | Socket for test plug (Ø 4 mm) | | - | 50 | AB1 A16 | 1.0 |
| 9 | Test plug (black) | | - | 50 | AB1 AT2 | 1.7 |
| 10 | "Danger" live terminals cover | | 4 | 10 | AB1 CSN16 | 1.4 |
| 11/12 | Marking accessories | | See pages 13511/2 and 13511/3 | | | |
| | Yellow partition plate | | 1 | 10 | AB1 CJN16 | 0.3 |
| | Yellow protective cover | | 1 | 100 | AB1 CA16 | 0.5 |

(1) Depending on the size of the terminal block, other commoning links between 2 and 12 points are available (please consult your Regional Sales Office).

524049



Clip-on mounting on 35 mm 25 4 3 rails

| 35 mm ² | 70 mm ² | 150 mm ² |
|---|---|---|
|  |  |  |
| AB1 VVN3535U ●● | AB1 VVN7035U ●● | AB1 VVN15035U ●● |
| 63 | 75.2 | 91.7 |
| 16 | 24 | 28 |
| 75.1 | 88.7 | 106.1 |
| 67.6 | 81.2 | 98.6 |
| 69 | 82.7 | 100.1 |
| 10 to 35 | 10 to 70 | 35 to 150 |
| 10 to 35 | 10 to 70 | 35 to 150 |
| 10 to 50 | 16 to 95 | 35 to 185 |
| 800 V / 8 kV / 3 -125 A | 800 V / 8 kV / 3 -192 A | 1000 V / 8 kV / 3 -309 A |
| 10 - 2 AWG, 600 V, 95 A | 6 - 2/0 AWG, 600 V, 175 A | 2/0 AWG - 350 kcmil, 600 V, 335 A |
| 12 - 2 AWG, 600 V, 110 A | 6 - 2/0 AWG, 600 V, 170 A | 2/0 AWG - 300 kcmil, 600 V, 300 A |
| ~ 500 V, = 500 V | ~ 500 V, = 500 V | ~ 500 V, = 500 V |
| ~ 750 V, = 900 V, 138 A | ~ 750 V, = 900 V, 213 A | ~ 750 V, = 900 V, 344 A |
| 35 mm ² , 750 V, 86 / 124 A, KEMA 02 ATEX 2114 U | 70 mm ² , 750 V, 179 A, KEMA 02 ATEX 2114 U | 150 mm ² , 750 V, 290 / 309 A, KEMA 02 ATEX 2114 U |
| See pages 13517/4 and 13517/5 | See pages 13517/4 and 13517/5 | See pages 13517/4 and 13517/5 |

Terminal blocks

| No. points | Sold in lots of | Unit reference | Weight g | No. points | Sold in lots of | Unit reference | Weight g | No. points | Sold in lots of | Unit reference | Weight g |
|------------|-----------------|----------------|----------|------------|-----------------|----------------|----------|------------|-----------------|-----------------|----------|
| 2 | 20 | AB1 VVN3535U | 71.0 | 2 | 20 | AB1 VVN7035U | 173.0 | 2 | 10 | AB1 VVN15035U | 267.2 |
| 2 | 20 | AB1 VVN3535UBL | 71.0 | 2 | 20 | AB1 VVN7035UBL | 173.0 | 2 | 10 | AB1 VVN15035UBL | 267.2 |

Accessories (Dimensions in mm)

| | | | | | | | | | | | |
|-------------------------------|-----|-------------|-------|-------------------------------|-----|-------------|------|-------------------------------|-----|-------------|-------|
| - | 100 | AB1 AB7P32 | 4.2 | - | 100 | AB1 AB7P32 | 4.2 | - | 100 | AB1 AB7P32 | 4.2 |
| - | 100 | AB1 AB8P35 | 5.9 | - | 100 | AB1 AB8P35 | 5.9 | - | 100 | AB1 AB8P35 | 5.9 |
| - | 100 | AB1 AB10M32 | 6.5 | - | 100 | AB1 AB10M32 | 6.5 | - | 100 | AB1 AB10M32 | 6.5 |
| - | 100 | AB1 AB8M35 | 14.8 | - | 100 | AB1 AB8M35 | 14.8 | - | 100 | AB1 AB8M35 | 14.8 |
| - | 100 | AB1 AB8R35 | 5.9 | - | 100 | AB1 AB8R35 | 5.9 | - | 100 | AB1 AB8R35 | 5.9 |
| - | 10 | AB1 SB4 | 3.1 | - | 10 | AB1 SB4 | 3.1 | - | 10 | AB1 SB4 | 3.1 |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - |
| - | 10 | AB1 ASN35 | 7.0 | - | - | - | - | - | - | - | - |
| - | - | - | - | - | 10 | AB1 ASN70 | 22.0 | - | - | - | - |
| - | - | - | - | 2 | 10 | AB1 ALN702 | 22.3 | 2 | 10 | AB1 ALN1502 | 146.0 |
| 2 | 10 | AB1 ALN352 | 28.0 | - | - | - | - | - | - | - | - |
| 20 | 10 | AB1 ALN35 | 284.0 | - | - | - | - | - | - | - | - |
| - | 50 | AB1 A35 | 2.7 | - | - | - | - | - | - | - | - |
| - | 50 | AB1 AT2 | 1.7 | - | - | - | - | - | - | - | - |
| 4 | 10 | AB1 CSN35 | 1.4 | 4 | 10 | AB1 CSN10 | 1.4 | 4 | 10 | AB1 CSN150 | 3.2 |
| See pages 13511/2 and 13511/3 | | | | See pages 13511/2 and 13511/3 | | | | See pages 13511/2 and 13511/3 | | | |
| - | - | - | - | - | - | - | - | - | - | - | - |
| 1 | 50 | AB1 CA35 | 0.7 | - | - | - | - | - | - | - | - |