

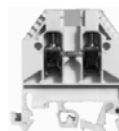
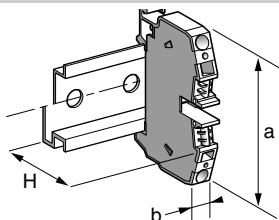
Terminal blocks

Screw technology

Passthrough

Clip-on mounting on 35 mm \mathcal{E} rails

Nominal c.s.a. **2.5 mm²**



AB1 VV235U●●

Dimensions in mm	Length (a)	40
	Width (b)	5
	Height (H) with \mathcal{E} rail	56
	with \mathcal{F} rail	48.5
	with \mathcal{G} rail	53
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 \mathcal{E} 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)

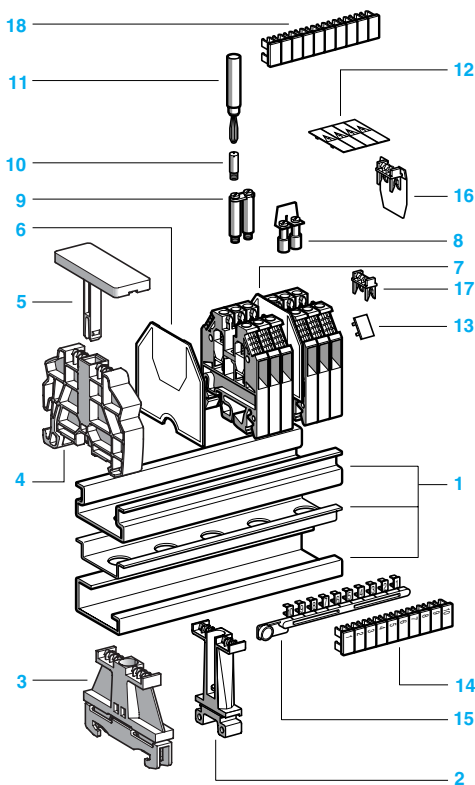
2	Plastic end stop with screw	Width 7.5 on \mathcal{E}	-	100	AB1 AB7P32	4.2
		Width 8 on \mathcal{E} or \mathcal{F}	-	100	AB1 AB8P35	5.9
3	Metal end stop with screw	Width 10 on \mathcal{E}	-	100	AB1 AB10M32	6.5
		Width 8 on \mathcal{E} or \mathcal{F}	-	100	AB1 AB8M35	14.8
4	Clip-on plastic end stop (2)		-	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 (\varnothing 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 \mathcal{E} or \mathcal{F} .

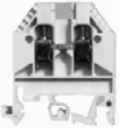
(3) Depending on the size of the terminal block, other commoning links between 2 and 12 points are available (please consult your Regional Sales Office).

524008



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

4 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



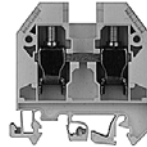
AB1 VV635U●●

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

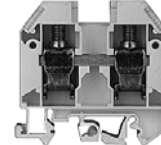
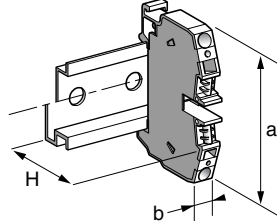
Passthrough

III1-3

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

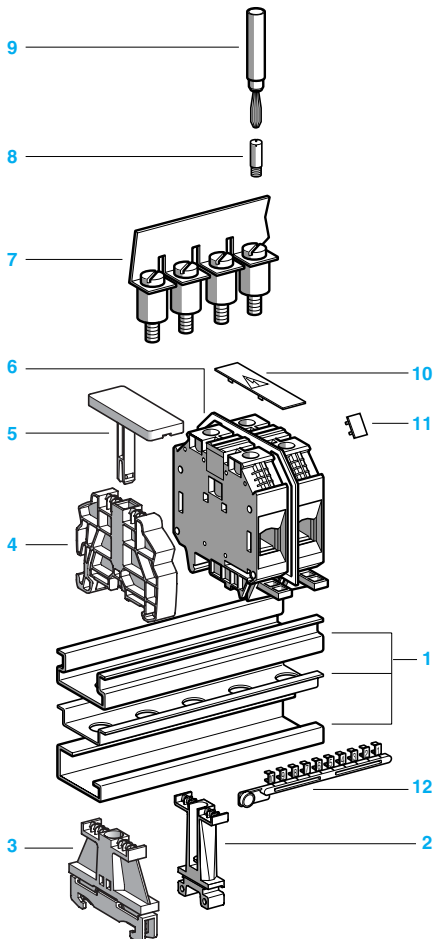
	No. points	Sold in lots of	Unit reference	Weight g
Grey	2	50	AB1 VVN1635U	40.0
Blue	2	50	AB1 VVN1635UBL	40.0

Accessories (Dimensions in mm)

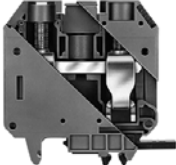
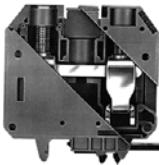
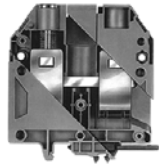
2	Plastic end stop with screw	Width 7.5 on 	-	100	AB1 AB7P32	4.2
		Width 8 on 	-	100	AB1 AB8P35	5.9
3	Metal end stop with screw	Width 10 on 	-	100	AB1 AB10M32	6.5
		Width 8 on 	-	100	AB1 AB8M35	14.8
4	Clip-on plastic end stop	Width 8 on 	-	100	AB1 AB8R35	5.9
5	Marker tag holder for clip-on plastic end 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	-	-	-	-	-	-	-	-