

**SIEMENS**

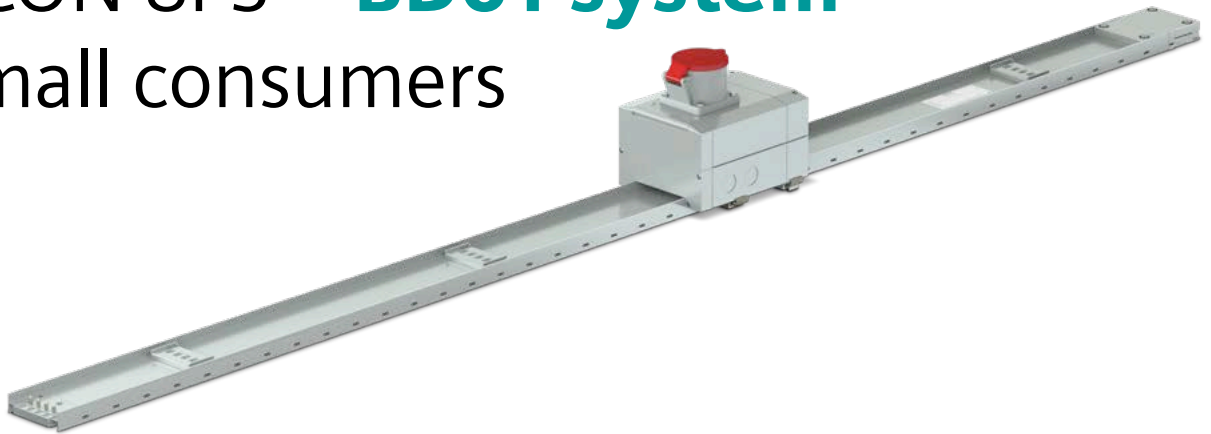
**SIVACON 8PS**

**Busbar Trunking Systems**

**BD01 and BD2**

Product information, selection and ordering data for electrical wholesale  
[siemens.com/sivacon-8PS](https://www.siemens.com/sivacon-8PS)

# SIVACON 8PS – **BD01 system** for small consumers

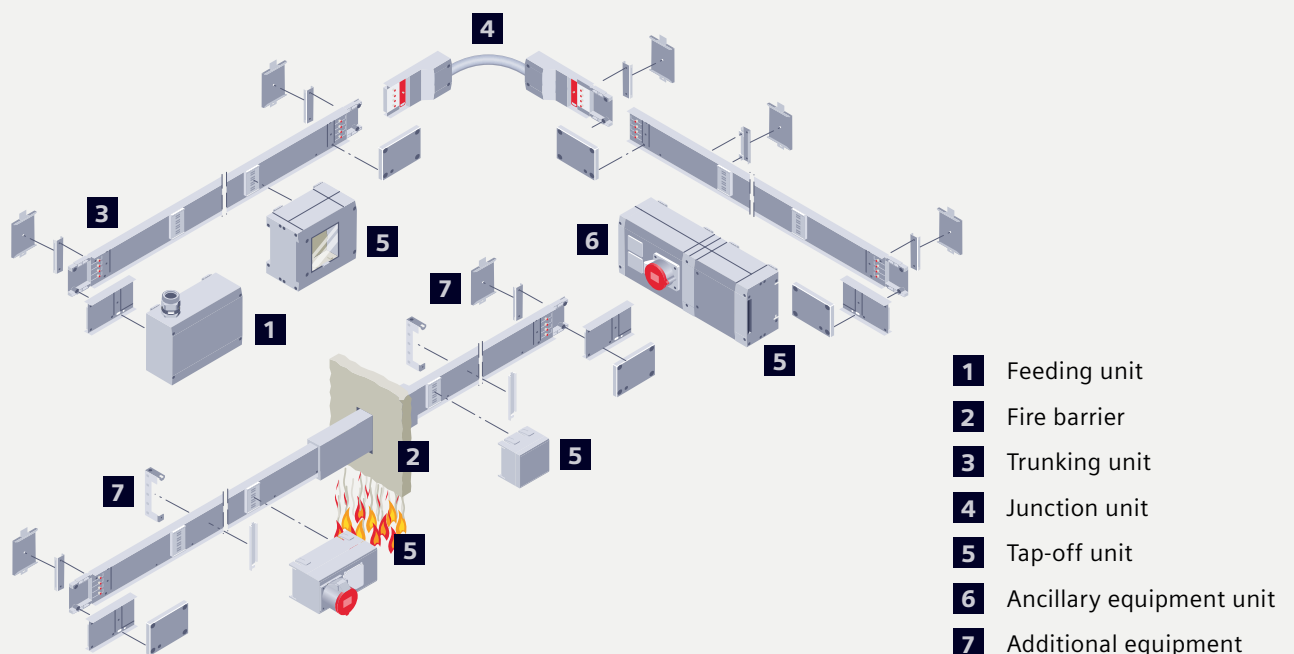


The BD01 busbar trunking system is designed for applications from 40 A to 160 A. Five different rated currents can be selected for one size. Uniform tap-off units up to 63 A are available for the supply and protection of consumers.

## Technical specifications BD01


Rated current	40 A, 63 A, 100 A, 125 A, 160 A
Rated operational voltage	400 V AC
Degree of protection	IP54, IP55
Tap-off points	Optionally, either every 0.5 m or 1 m on one side
Rated current of the tap-off units	Up to 63 A

## BD01 system

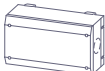


# Selection and ordering data

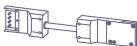
## Trunking units, with joint block, painted in RAL 7035

Rated current		40 A	63 A	100 A	125 A	160 A	
	Length 2 m, distance between tap-off points 0.5 m	Type Art. No.	BD01-40-2-0,5 BVP:034254	BD01-63-2-0,5 BVP:034256	BD01-100-2-0,5 BVP:034258	BD01-125-2-0,5 BVP:090161	BD01-160-2-0,5 BVP:090162
	Length 3 m, distance between tap-off points 0.5 m	Type Art. No.	BD01-40-3-0,5 BVP:034253	BD01-63-3-0,5 BVP:034255	BD01-100-3-0,5 BVP:034257	BD01-125-3-0,5 BVP:090163	BD01-160-3-0,5 BVP:090164

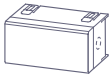
## Feeding units (incl. 2 end flanges)

Rated current		up to 100 A	up to 160 A
	Type Art. No.	BD01-E BVP:034259	BD01-160-E BVP:090165

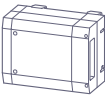
## Flexible junction unit, with joint block

Rated current		up to 100 A	up to 160 A	
	Length 0.5 m	Type Art. No.	BD01-R1 BVP:034260	BD01-160-R1 BVP:090166
	Length 1.0 m	Type Art. No.	BD01-R2 BVP:034261	BD01-160-R2 BVP:090167

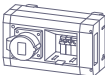
## Tap-off units, molded plastic, size 01/02

Rated current		16 A	32 A	16 A	32 A
		for 3 cylindrical fuses 10 mm x 38 mm		with 1-pole MCB B16, with 2-pole RCCB 16 A/30 mA, 2 Schuko socket outlets	for free arrangement of components, with DIN rail for 3 MW (Pv max. 13 W)
	Type	BD01-AK01X/ZS	BD01-AK02X/ZS3	BD01-AK02M0/ 2SD163FIA161	BD01-AK02M0/F
	Art. No.	BVP:087483	BVP:085090	BVP:090168	BVP:085093


## Tap-off units, aluminum, size 1

Rated current		16 A	35 A	16 A	35 A
		with 3-pole fuse D01	with 3-pole fuse D02	with 3 x 1-pole MCB B16	for free arrangement of components, with DIN rail for 4 MW (Pv max. 13 W)
	Type	BD01-AK1X/S14	BD01-AK1X/S18	BD01-AK1M1/A161	BD01-AK1M1/F
	Art. No.	BVP:034264	BVP:034265	BVP:034266	BVP:034273

## Tap-off units, aluminum, size 2

Rated current		16 A	25 A	32 A	63 A
		with 1-pole MCB B16, with 2-pole RCCB 16 A/30 mA, with 2 Schuko socket outlets	with 3-pole fuse S27	with 3-pole MCB C32, with CEE socket outlet 32 A, 5-pole	for free arrangement of components, with DIN rail for 8 MW (Pv max. 22.5 W)
	Type	BD01-AK2M1/ 2SD163FIA161	BD01-AK2X/S27	BD01-AK2M1/ CEE325A323	BD01-AK2HM2/F
	Art. No.	BVP:034276	BVP:034274	BVP:034282	BVP:233571

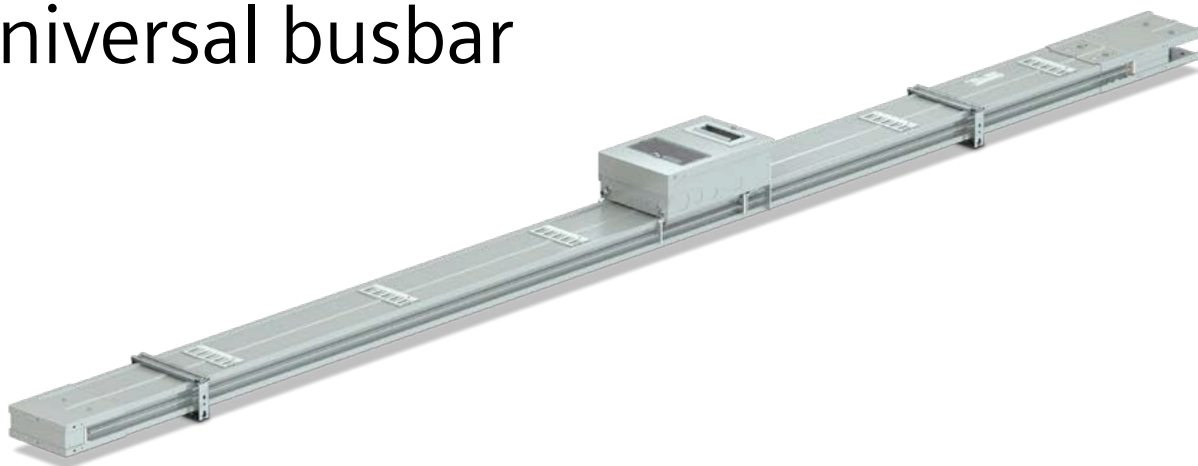
## Fixing material

		Suspension bracket, horizontal	Universal fixing bracket, horizontal	Hanger bracket, horizontal	Suspension bracket, vertical
	Type	BD01-BA	BD01-B	BD01-BAP	BD01-BV
	Art. No.	BVP:081945	BVP:034262	BVP:203522	BVP:662591

This is a product selection.  
For more product line information,  
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# SIVACON 8PS – **BD2 system** the universal busbar

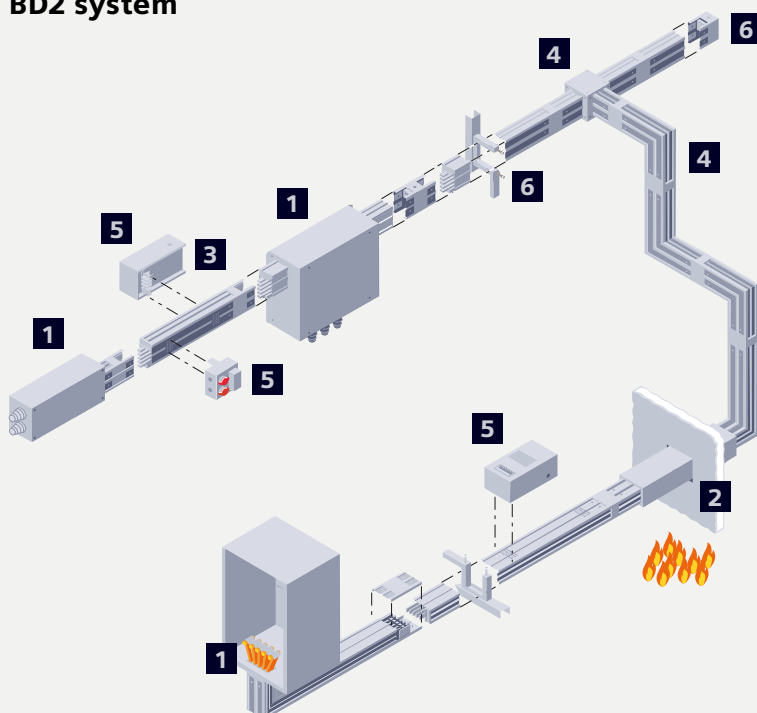


The BD2 busbar trunking system can be universally used for flexible power supply to consumers up to 530 A. Other applications include the power transmission between two points of supply, or the use as a rising main busbar in high-rise buildings up to 1,250 A.

## Technical specifications BD2

Rated current	160 A, 250 A, 400 A, 630 A, 800 A, 1,000 A, 1,250 A
Rated operational voltage	690 V AC, 600 V DC
Degree of protection	IP54, IP55
Tap-off points	Every 0.5 m on one side, offset on both sides every 0.25 m
Rated current of the tap-off units	Up to 530 A
Data transmission	powerline 2.0 technology or conventionally wired


## BD2 system




- 1** Feeding unit
- 2** Fire barrier
- 3** Trunking unit
- 4** Junction unit
- 5** Tap-off unit
- 6** Additional equipment

# Selection and ordering data

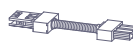
## Trunking units, with joint block, tap-off points on both sides

	Rated current		160 A	250 A	400 A
	Length 1.25 m, distance between tap-off points 0.5 m	Type Art. No.		BD2A-3-160-SB-1 BVP:261478	BD2A-3-250-SB-1 BVP:261481
Length 2.25 m, distance between tap-off points 0.5 m	Type Art. No.		BD2A-3-160-SB-2 BVP:261479	BD2A-3-250-SB-2 BVP:261482	BD2A-3-400-SB-2 BVP:261488
Length 3.25 m, distance between tap-off points 0.5 m	Type Art. No.		BD2A-3-160-SB-3 BVP:261480	BD2A-3-250-SB-3 BVP:261483	BD2A-3-400-SB-3 BVP:261489

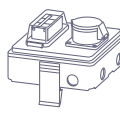
## Feeding units

	Rated current		up to 250 A	up to 400 A
		Type Art. No.		BD2A-250-EE BVP:261993

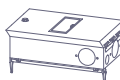
## Flexible junction unit, with joint block

	Rated current		up to 400 A
	Length 1.25 m	Type Art. No.	

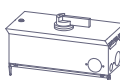
## Tap-off units, molded plastic, size 1

	Rated current		16 A	25 A	16 A
		Type Art. No.		with fuse-base 3 x D01, with CEE socket outlet, 5-pole BD2-AK1/CEE165S14 BVP:047230	with fuse base 3-pole D02 BD2-AK1/S18 BVP:047112

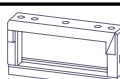
## Tap-off units, sheet steel, size 02

	Rated current		32 A	63 A	
		Type Art. No.		with MCB, 3-pole C32 BD2-AK02M2/A323 BVP:262451	with fuse base 3-pole D02 BD2-AK02X/S18 BVP:262438

## Tap-off units, sheet steel, size 03/3

	Rated current		125 A		
		Type Art. No.		with fuse switch disconnecter, size 00 BD2-AK03X/GSTA00 BVP:262496	with fuse switch, 3-pole, IEC BD2-AK03X/FS125IEC-3 BVP:262499

## Fixing material, accessories

			Fixing bracket	Spacer bracket	End flange
		Type Art. No.		BD2-400-BB BVP:045154	BD2-BD BVP:034228

This is a product selection.  
For more product line information,  
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## Busbar trunking systems for electromobility




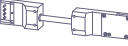

The busbar trunking systems are perfectly suited to design the electrical charging infrastructure for electromobility. They are easy to plan, to install, – and easy to operate.

Thanks to these convincing characteristics, they have made their mark in the electrification of parking garages of all sizes – not least because of the possibility to use them for supplying additional charging points in case of an extension of the charging infrastructure.

### **Use the potential of your energy data**





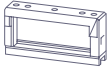
With powerline 2.0 technology as an option in the BD2 system, we offer a suitable communication solution for greater transparency based on operating and energy data. In addition, you can use the data for many other evaluations.

# Selection table BD01

	Rated current	Type designation	Article number	Weight in kg	Packaging size
<b>Feeding unit</b>					
	40...100 A	<b>BD01-E</b>	BVP:034259	1.0	1
	125...160 A	<b>BD01-160-E</b>	BVP:090165	1.4	1
<b>Lengths</b>					
	40 A	<b>BD01-40-3-1</b>	BVP:233551	4.4	1
	63 A	<b>BD01-63-3-1</b>	BVP:233553	4.6	1
	100 A	<b>BD01-100-3-1</b>	BVP:233556	5.2	1
	125 A	<b>BD01-125-3-1</b>	BVP:233559	5.2	1
	160 A	<b>BD01-160-3-1</b>	BVP:233563	8.0	1
Length 3 m with 3 tap-off points	40 A	<b>BD01-40-2-1</b>	BVP:233552	3.0	1
	63 A	<b>BD01-63-2-1</b>	BVP:233555	3.2	1
	100 A	<b>BD01-100-2-1</b>	BVP:233557	3.6	1
	125 A	<b>BD01-125-2-1</b>	BVP:233560	3.6	1
	160 A	<b>BD01-160-2-1</b>	BVP:233567	5.4	1
	40 A	<b>BD01-40-2-1</b>	BVP:233552	3.0	1
	63 A	<b>BD01-63-2-1</b>	BVP:233555	3.2	1
	100 A	<b>BD01-100-2-1</b>	BVP:233557	3.6	1
	125 A	<b>BD01-125-2-1</b>	BVP:233560	3.6	1
	160 A	<b>BD01-160-2-1</b>	BVP:233567	5.4	1
Length 2 m with 2 tap-off points	40 A	<b>BD01-40-2-1</b>	BVP:233552	3.0	1
	63 A	<b>BD01-63-2-1</b>	BVP:233555	3.2	1
	100 A	<b>BD01-100-2-1</b>	BVP:233557	3.6	1
	125 A	<b>BD01-125-2-1</b>	BVP:233560	3.6	1
	160 A	<b>BD01-160-2-1</b>	BVP:233567	5.4	1
<b>Junction unit (0.5 m)</b>					
	40...100 A	<b>BD01-R1</b>	BVP:034260	1.2	1
	125...160 A	<b>BD01-160-R1</b>	BVP:090166	1.8	1
<b>Fixing</b>					
		<b>BD01-B</b>	BVP:034262	0.2	10
		<b>BD01-BA</b>	BVP:081945	0.2	10
<b>Tap-off units</b>					
for wallboxes 11 kW *	MCB B 16 A, 3-pole	<b>BD01-AK1M1/A161</b>	BVP:034266	1.6	1
	Fuse holder S27 up to 25 A	<b>BD01-AK2X/S27</b>	BVP:034274	1.7	1
	Empty tap-off unit (for free arrangement of components) up to 35 A	<b>BD01-AK2X/F</b>	BVP:034283	1.3	1
for wallboxes 22 kW *	MCB C 32 A, 3-pole	<b>BD01-AK1M1/A323</b>	BVP:034267	1.6	1
	Fuse holder S33 up to 63 A	<b>BD01-AK2HX/S33</b>	BVP:233568	1.7	1
	Empty tap-off unit (for free arrangement of components) up to 63 A	<b>BD01-AK2HX/F</b>	BVP:233570	1.3	1

\* Compare with the exact technical specifications of the wallbox manufacturer

# Selection table BD2

	Rated current	Type designation	Article number	Weight in kg	Packaging size
<b>Feeding unit</b>					
	160/250 A	<b>BD2A-250-EE</b>	BVP:261993	6.6	1
	400 A	<b>BD2A-400-EE</b>	BVP:261995	13.3	1
<b>Lengths</b>					
	160 A	<b>BD2A-3-160-W1-3W*</b>	8PS5203-0AA00-0AA1	20.0	1
	250 A	<b>BD2A-3-250-W1-3W</b>	8PS5203-0AA00-0AA3	21.9	1
	400 A	<b>BD2A-3-400-W1-3W*</b>	8PS5203-0AA00-0AA5	25.3	1
Length 2.26...3.24 m with 1 tap-off point					
	160 A	<b>BD2A-3-160-W2-3W*</b>	8PS5203-0AA00-0AA2	20.0	1
	250 A	<b>BD2A-3-250-W2-3W</b>	8PS5203-0AA00-0AA4	21.9	1
	400 A	<b>BD2A-3-400-W2-3W*</b>	8PS5203-0AA00-0AA6	25.3	1
Length 2.26...3.24 m with 2 tap-off points					
<b>End flange</b>					
	160...400 A	<b>BD2-400-FE</b>	BVP:043977	1.0	1
<b>Fixing</b>					
	160...400 A	<b>BD2-400-BB</b>	BVP:045154	0.4	5
<b>Tap-off units</b>					
for wallboxes 11 kW*	MCB C 20 A, 3+N	<b>BD2-AK1-A203NC</b>	8PS5041-0AA00-1AA2		1
	MCB C 20 A, 3+N/RCD type A	<b>BD2-AK02X-A203NC-RCU</b>	8PS5042-0AA00-1AA2		1
	D02 fuse holder up to 25 A	<b>BD2-AK1/S18</b>	BVP:047112	1.2	1
	Fuse holder D02/ RCD type A	<b>BD2-AK02X-D02-RCCB20</b>	8PS5042-0AA00-1AA6		1
for wallboxes 22 kW*	MCB C 40 A, 3+N	<b>BD2-AK02X-A403NC</b>	8PS5042-0AA00-1AA4		1
	MCB C 40 A, 3+N/ RCD type A	<b>BD2-AK02X-A403NC-RCU</b>	8PS5042-0AA00-1AA3		1
	Fuse holder D02 up to 63 A	<b>BD2-AK02X/S18</b>	BVP:262438	4.1	1
	Fuse holder D02/ RCD type A	<b>BD2-AK02X-D02-RCCB40</b>	8PS5042-0AA00-1AA5		1
<b>Access protection</b>					
for 5 joint blocks	160...400 A	<b>BD2-AP-1</b>	8PS5080-0AA00-0AA1	1.6	1
for 10 tap-off points	160...400 A	<b>BD2-AP-3</b>	8PS5080-0AA00-0AA3	3.5	1
for 5 fixing brackets	160...1000 A	<b>BD2-AP-5</b>	8PS5080-0AA00-0AA5	0.1	1
for feeding unit	160...1000 A	<b>BD2-AP-7</b>	8PS5080-0AA00-0AA7	0.1	1
for tap-off unit AK02	20 A/40 A	<b>BD2-AP-11</b>	8PS5080-0AA00-1AA2	0.1	1
Special tool (bit)	all	<b>BD2-AP-T1</b>	8PS5080-0AA00-1AA4	0.1	1

\* Compare with the exact technical specifications of the wallbox manufacturer

The BD01 and BD2 systems are also suitable for installation in weather-protected outdoor areas.

This is a product selection.  
For more product line information,  
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