

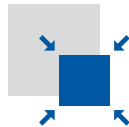
# Solutions series Distribution blocks DBL range



The ABB distribution range is the preferred choice for primary power distribution. The exclusive compact and modular design allows easy installation combined with a great flexibility of use.



**Improve installation efficiency**



**More control in smaller space**



**Cost effective solution**

### The benefit of 3 configurations in 1 product

Single or multiple poles splitter and grouping.

### Flexible cover facilitates identification and wiring

Reversible, two directions opening, all wiring data's on top.

### Save up to 50% rail space

Compare to conventional distribution bars thanks to our modular compact design.

### 1 500 V DC voltage rating

Adapted to most recent solar inverters requirements.

### Reduce wiring, inventories, hardware and assembly costs

Accept aluminum or copper conductor. Stocks 1 product get 3 configurations. Reduces assembly time by 80% compare to conventional systems thanks to our modular and touch proof concept.

## Main applications

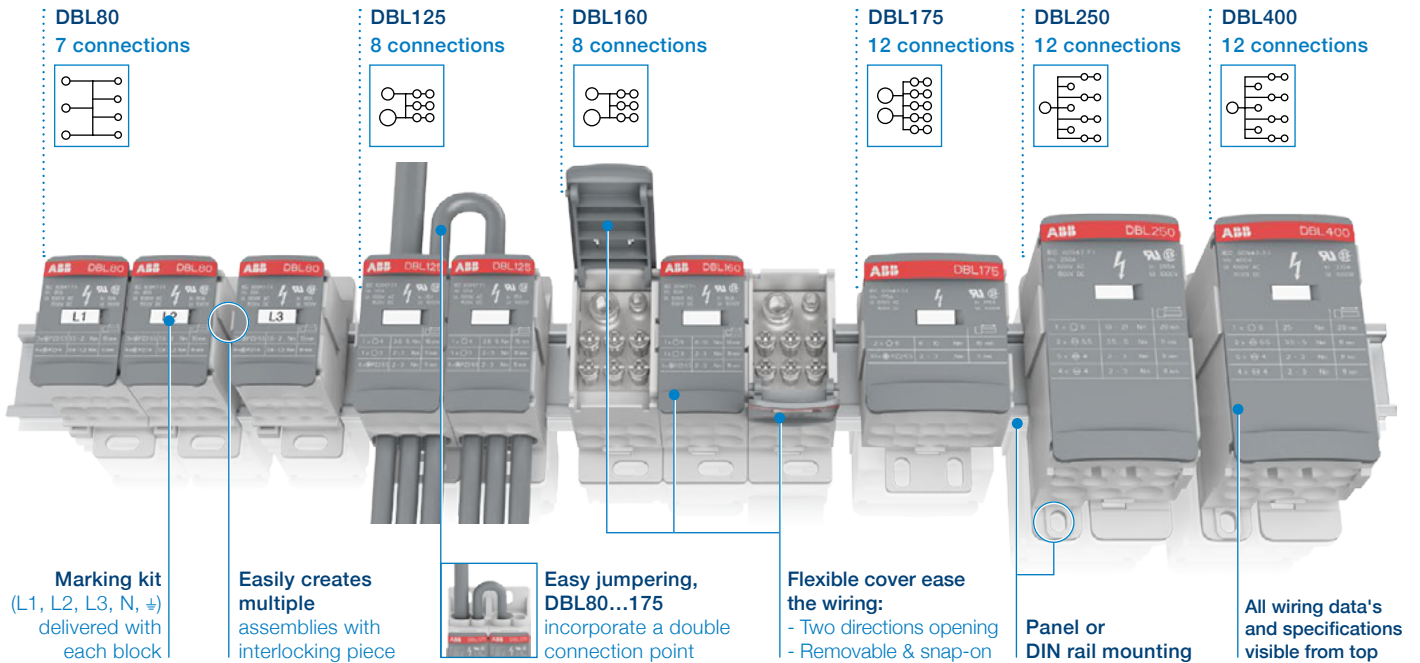
### A great flexibility of use whatever your application

- Commercial and Construction
- Industrial
- Solar
- HVAC.



# DBL range overview

## From 80 to 400 A - Single pole or multipole



Connection type	Max current		Connection type		Max cross section						Type	Order code	Pkg qty	
	IEC	UL/CSA	Diameter of cable Ø		Flexible with ferrule		Stranded		Rigid (solid)					
			nb	mm	in	mm <sup>2</sup>	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>				AWG
	Cu: 80 A Al: 63 A	Cu: 80 A	3	6.6	0.26	2.5 ... 16	14 ... 6	2.5 ... 16	14 ... 4	2.5 ... 16	14 ... 10	DBL80	1SNL308010R0000	1
			4	4.5	0.177	2.5 ... 6	14 ... 10	2.5 ... 6	14 ... 10	2.5 ... 6	14 ... 10			
	Cu: 125 A Al: 100 A	Cu: 115 A	1	9.8	0.386	10 ... 35	8 ... 2	10 ... 35	8 ... 2	10 ... 35	-	DBL125	1SNL312510R0000	1
			1	6.8	0.268	2.5 ... 16	14 ... 6	6 ... 16	10 ... 6	6 ... 16	10			
			6	6.5	0.256	2.5 ... 16	14 ... 6	2.5 ... 16	14 ... 6	2.5 ... 16	14 ... 10			
	Cu: 160 A Al: 135 A	Cu: 160 A	1	11.8	0.465	10 ... 50	8 ... 1/0	10 ... 70	6 ... 2/0	10 ... 70	-	DBL160	1SNL316010R0000	1
			1	6.8	0.268	2.5 ... 16	14 ... 6	6 ... 16	10 ... 6	6 ... 16	10			
			6	6.5	0.256	2.5 ... 16	14 ... 6	2.5 ... 16	14 ... 6	2.5 ... 16	14 ... 10			
	Cu: 175 A Al: 135 A	Cu: 175 A	2	11.8	0.465	10 ... 50	8 ... 1/0	10 ... 70	6 ... 2/0	10 ... 70	-	DBL175	1SNL317510R0000	1
			10	6.4	0.252	2.5 ... 16	14 ... 6	2.5 ... 16	14 ... 6	2.5 ... 16	14 ... 10			
	Cu: 250 A Al: 200 A	Cu: 255 A	1	15.3	0.602	35 ... 95	2 ... 3/0	35 ... 120	2 ... 250 kcmil	35 ... 120	-	DBL250	1SNL325010R0000	1
			2	8.7	0.343	2.5 ... 25	14 ... 4	2.5 ... 35	14 ... 2	2.5 ... 35	14 ... 10			
			5	6.5	0.256	2.5 ... 16	14 ... 6	2.5 ... 16	14 ... 6	2.5 ... 16	14 ... 10			
			4	5.7	0.224	2.5 ... 10	14 ... 8	2.5 ... 10	14 ... 8	2.5 ... 10	14 ... 10			
	Cu: 400 A Al: 300 A	Cu: 335 A	1	19.8	0.78	95 ... 150	3/0 ... 300 kcmil	95 ... 185	3/0 ... 400 kcmil	95 ... 185	-	DBL400	1SNL340010R0000	1
			2	8.7	0.343	2.5 ... 25	14 ... 4	2.5 ... 35	14 ... 2	2.5 ... 35	14 ... 10			
			5	6.5	0.256	2.5 ... 16	14 ... 6	2.5 ... 16	14 ... 6	2.5 ... 16	14 ... 10			
			4	5.7	0.224	2.5 ... 10	14 ... 8	2.5 ... 10	14 ... 8	2.5 ... 10	14 ... 10			

Rated voltage 1000 V AC, 1500 V DC (IEC) / 1000 V AC/DC (UL/CSA)