



## DBL POWER DISTRIBUTION BLOCKS

### Screw clamp technology

1000 V AC / 1500 V DC (IEC) - 1000 V (UL), from 80 to 550 A

#### ENTRELEC Terminal Blocks

The compact and modular design of our power distribution blocks allows easy installation combined with a great flexibility of use.



#### EASY TO INSTALL

##### 3 configurations in 1 product:

- **Single pole splitter:** split of power main input into several outputs.
- **Multiple poles splitter:** interlocking function and ready to use marking kit (L1, L2, L3, N, PE, +, -) delivered with each block.
- **Grouping** of several inputs into 1 output (solar application).

##### Flexible cover facilitates identification & wiring:

- Reversible, two directions opening, snap-on.
- All wiring data and specifications visible on top.



#### SPACE SAVING

##### Panel space saving:

Save up to 50 % rail space compared to conventional distribution bars thanks to our modular compact design.

##### 1 500 V DC:

Voltage rating adapted to most recent solar inverters requirements.



#### INCREASED PRODUCTIVITY

##### Reduced wiring, inventories, hardware and assembly costs:

- Reduce assembly time by 80 % compared to conventional systems.
- Our modular and touch proof concept significantly reduces the needs for bus bars, isolators, fasteners, protection screens...
- Accept **aluminum & copper** conductors.
- 1 product in stock for **3 possible** configurations.



# DBL Power distribution blocks

## Screw clamp technology

### Single pole

**DBL80**  
7 connections



**DBL125**  
8 connections



**DBL160**  
8 connections



**DBL175**  
12 connections



**DBL250 and DBL400**  
12 connections



### Solar

**DBL400-PV**  
14 connections



### Three poles

**DBL125-3 and DBL175-C-3**  
8x3 connections



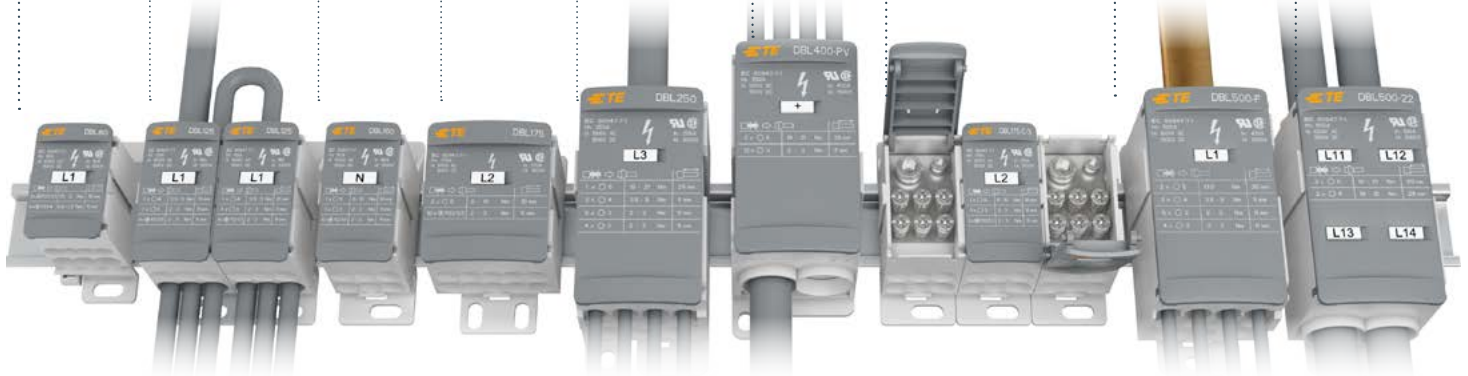
### Flat conductor

**DBL250-F and DBL500-F**  
7 and 12 connections



### 2 inputs / 2 outputs

**DBL500-22**  
4 connections



IEC	UL / CSA	Connection capacity			Max cross section						Type	Part number	Pkg	
		Cable diameter Ø			Flexible with insulated ferrule		Rigid Solid		Rigid Stranded					
		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 ... 4	DBL80	1SNL308010R0000	1
	Cu: 125 A Al: 100 A	Cu: 115 A	1	9.8	0.386	10 ... 35	8 ... 2	10 ... 35	8 ... 2	10 ... 35	8 ... 2	DBL125	1SNL312510R0000	1
	Cu: 125 A Al: 100 A	Cu: 115 A	3x1	9.8	0.386	10 ... 35	8 ... 2	10 ... 35	8 ... 2	10 ... 35	8 ... 2	DBL125-3	1SNL312530R0000	1
	Cu: 160 A Al: 135 A	Cu: 160 A	1	11.8	0.465	16 ... 50	6 ... 1/0	16 ... 70	6 ... 2/0	16 ... 70	6 ... 2/0	DBL160	1SNL316010R0000	1
	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	6 ... 2/0	DBL175	1SNL317510R0000	1
	Cu: 175 A Al: 135 A	Cu: 175 A	3x1	11.8	0.465	16 ... 50	8 ... 1/0	16 ... 70	6 ... 2/0	16 ... 70	6 ... 2/0	DBL175-C-3	1SNL317531R0000	1
	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	2 ... 250 kcmil	DBL250	1SNL325010R0000	1
	Flexible bars: 250 A Solid bars: 208 A	Flexible bars: 250 A Solid bars: 160 A	1	15.3 x 7.5	0.59 x 0.28	Flexible bars: 3 x 9 x 0.8 mm ... 6 x 15.5 x 0.8 mm Solid bars: 12 x 4 mm						DBL250-F	1SNL325060R0000	1
	Cu: 400 A Al: 300 A	Cu: 335 A	1	18.8	0.74	95 ... 150	3/0 ... 300 kcmil	95 ... 185	3/0 ... 400 kcmil	95 ... 185	3/0 ... 400 kcmil	DBL400	1SNL340010R0000	1
	Cu: 550 A	Cu: 400 A	2	15.5	0.59	2.5...95	4...3/0	25...120	4...250 kcmil	25...120	4...250 kcmil	DBL400-PV	1SNL340011R0000	1
	Cu: 500 A	Cu: 510 A	2	15.5	0.61	25 ... 95	4 ... 3/0	25 ... 120	4 ... 250 kcmil	25 ... 120	4 ... 250 kcmil	DBL500-22	1SNL850001R0000	1
	Flexible bars: 500 A Solid bars: 500 A	Flexible bars: 420 A Solid bars: 420 A	1	26 x 10.8	1.02 x 0.4	Flexible bars: 3 x 9 x 0.8 mm ... 10 x 24 x 1 mm Solid bars: 12 x 4 mm ... (2x) 25 x 5 mm						DBL500-F	1SNL350060R0000	035006000: 1

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

Flexible without ferrule (IEC V-K & UL: class 5/6)	Flexible with insulated ferrule (IEC V-K & UL: class 5/6)	Rigid Solid (IEC V-U class 1, UL solid)	Rigid Stranded (IEC V-R class 2, UL class B/C)
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