

ENTRELEC Terminal Blocks



The clever distribution concept

The exclusive 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's and specifications visible on top.



Space saving

Panel space saving:

Save up to 50 % rail space compare to conventional distribution bars thanks to our modular compact design 1 500 V DC:

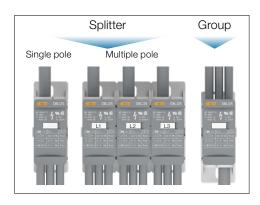
Voltage rating adapted to most recent solar inverters requirements.

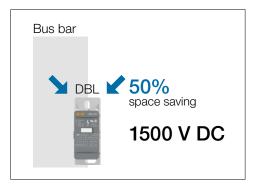


Increased productivity

Reduced wiring, inventories, hardware and assembly costs:

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





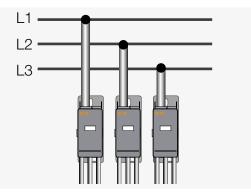




Distributing power in industrial and commercial panels HVAC, machinery, power distribution unit (PDU), commercial panel

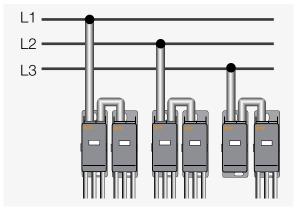
3 Phases

DBL80, DBL125, DBL160, DBL175, DBL250, DBL400, DBL125-3, DBL175-C-3



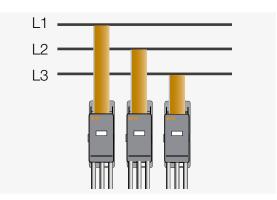
3 Phases with jumpering wire

DBL80, DBL125, DBL160, DBL175, DBL400-PV, DBL125-3, DBL175-C-3 and DBL500-22



3 Phases for flat conductor

DBL250-F, DBL500-F



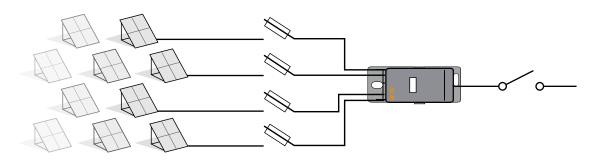
2 in/2 out configuration DBL500-22

Combining PV strings in one single output PV combiner box, central inverter in a solar power plant

Up to 12 PV strings

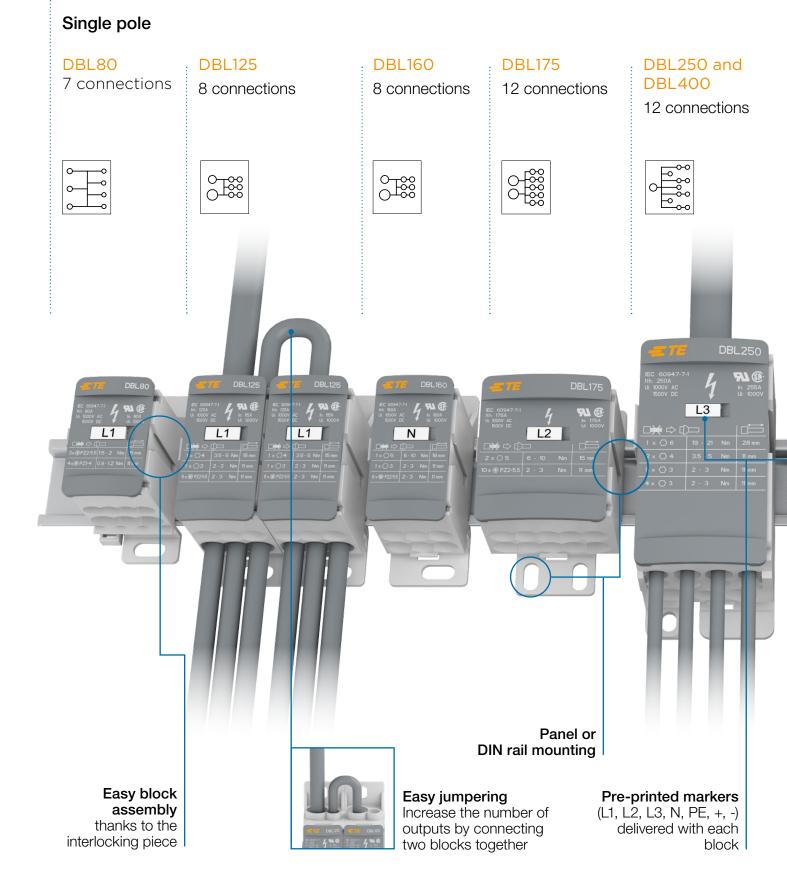
DBL80...400

DBL400-PV specifically designed for solar application with 12 inputs of 16 mm².

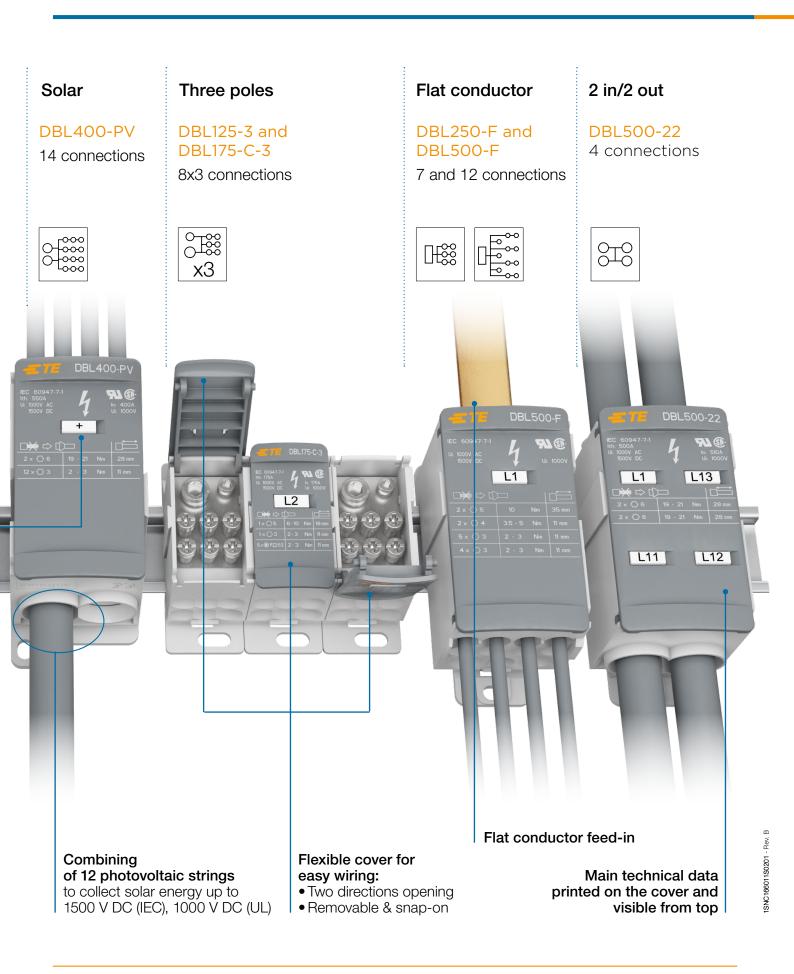




Single pole, solar, three poles, flat conductor and 2 in/2 out









DBL power distribution blocks Panorama

							S	Single pole		
	t/ Output nd condu	uctors								BEA00 BEA00 Bean Bean
		Nu	nber of co	nnections	7	8	8	12	12	12
	Max cu IEC	urrent	Cross sec	otion					बा <u></u> रित	<u>کالیا</u> دیلیا
Cu Al	80 A 63 A	80 A	16 mm ² 16 mm ²	4 AWG	DBL80					
Cu Al	125 A 100 A	- 115 A -	35 mm ² 35 mm ²	2 AWG		DBL125				
Cu Al	160 A 135 A	160 A	70 mm² 70 mm²	2/0 AWG -			DBL160			
Cu Al	175 A 135 A	- 175 A -	70 mm ² 70 mm ²	2/0 AWG -				DBL175		
Cu Al	250 A 200 A	255 A -	120 mm ² 120 mm ²	250 Kcmil -					DBL250	
Cu	400 A	335 A	185 mm ²	400 Kcmil						DBL400
Al	300 A 500 A	- 510 A	185 mm ² 95 mm ²	- 250 Kcmil						
ou	000 A	JUA	55 mm	200 1011						
Cu	550 A	400 A	95 mm²	250 Kcmil						

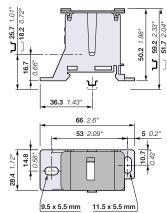
				Flat cor	nductors
Outp	conduct				
			Number of connections	7	12
	Мах сі	irrent	Max cross section		िति
	IEC	UL		888	888
Cu	250 A	250 A	15.5 x 7.5 mm	DBL250-F	
					DBL500-F Coming soon

Three	poles	2 in/2 out	Solar
8x3	8x3	4	14
000 x3	ਿਲ੍ਹੇ X 3	60 00	<u> </u>
DBL125-3			
	DBL175-C-3		
		DBL500-22	
			DBL400-PV



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DBL80

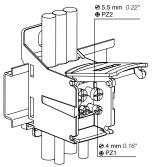


 9.5 x 5.5 mm
 11.5 x 5.5 m

 0.37 x 0.22*
 0.45 x 0.22

 28.4 mm 1.11 in spacing

Mounting instructions



Description

- 3 configurations: distribute unipolar and multipolar power lines, or combine several inputs
- Mount it on Din rail or plate and save up to 50% rail space compared to conventional copper bars
- Reduce the assembly time by 80% by avoiding to use fastening and isolating components
- Increase the number of outputs by using the optional input and connecting two DBL together
- Easy identification with the reversible cover and delivered pre-printed markers L1, L2, L3, N, PE, +, -.

Ordering details

Description		Color	Туре	Part Number	Pkg	Weight
			-		qty	1 pce g
Feed-through	Single pole distribution, 7	Grey	DBL80	1SNL308010R0000	1	70
	connections					

Main technical data

Connecting capacity		IEC	UL	
Max current / Cross section	Copper	80 A / 16 mm ²	80 A / 4 AWG	
	Aluminium	63 A / 16 mm ²		
Rated voltage		1000 V AC / 1500 V DC	1000 V	
Rated impulse voltage		8 kV		
Short-time withstand current (Icw	1s)	1920 A		
Short Circuit Current Rating (SCC	R)		100 kA	
Rated peak withstand current (lpk)	27 kA		
Protection		IP20	NEMA 1	

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on http://www.TE.com

CE	LEC Rea	RoHS RoHS	SN USR	() CSA	EAC	() BV

Mounting & wiring instructions

Connection		Wire type		Wire stripping length	Tool	Torque
Number	Size					Ó
Input						
🕈 з х	Ø 6.6 mm Ø 0.26 in	2.5 16 mm² 14 6 AWG	2.5 16 mm² 14 4 AWG	15 mm 0.59 in	5.5 mm 0.22 in	1.5 2 Nn 13.5 18
Output 4 x	Ø 4.5 mm Ø 0.18 in	2.5 6 mm ² 14 10 AWG	2.5 6 mm ² 14 10 AWG	11 mm 0.43 in	4 mm 0.16 in	0.8 1.2 M 7.2 10.8

Not allowed Flexible without ferrule (IEC V-K, UL class GK) (IEC V-K, UL class GK)

Allen key
 Allen key
 Posidriv - flat screwdriver



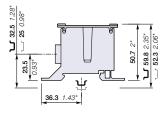
Accessories

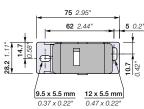
	Description		Color	Туре	Part Number	Pkg	Weight
						qty	1 pce g
1	End stops	10 mm 0.394 in	Dark grey	BAM4	1SNK900001R0000	50	14.00
		5.2 mm 0.205 in		BAZ1	1SNK900002R0000	50	5.30
		10 mm 0.394 in		BAZH1	1SNK900102R0000	20	24.00
2	Terminal block	Blank marker	White	MG-CPM 13 41790	1SNB041790R0512	1960	0.236
	markers	Blank card	Green	MC512PA-GN	1SNK149997R0000	20	10.00
			Blue	MC512PA-BL	1SNK149998R0000	20	10.00
			White	MC512PA	1SNK149999R0000	20	10.00
		Pre-printed marker card		MC512PA	1SNK149002R0000	1	10.00
		(L1-L2-L3-N-PE)					



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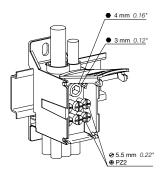
DBL125





28.2 mm 1.11 in spacing

Mounting instructions



Description

- 3 configurations: distribute unipolar and multipolar power lines, or combine several inputs
- Mount it on Din rail or plate and save up to 50% rail space compared to conventional copper bars
- Reduce the assembly time by 80% by avoiding to use fastening and isolating components
- Increase the number of outputs by using the optional input and connecting two DBL together
- Easy identification with the reversible cover and delivered pre-printed markers L1, L2, L3, N, PE, +, -.

Ordering details

Description		Color	Туре	Part Number	Pkg	Weight
					qty	1 pce g
Feed-through	Single pole distribution, 8 connections	Grey	DBL125	1SNL312510R0000	1	122

Main technical data

Connecting capacity		IEC	UL	
Max current / Cross section	Copper	125 A / 35 mm ²	115 A / 2 AWG	
	Aluminium	100 A / 35 mm ²		
Rated voltage		1000 V AC / 1500 V DC	1000 V	
Rated impulse voltage		8 kV		
Short-time withstand current (Icw	1s)	4200 A		
Short Circuit Current Rating (SCC	R)		100 kA	
Rated peak withstand current (lpk)	30 kA		
Protection		IP20	NEMA 1	

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on http://www.TE.com

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Mounting & wiring instructions

Rail	ີ ບ	TH 35-7.5, TH 35-15
Connection		

Connectio	on		Wire type		Wire stripping length	Tool	Torque
Number		Size					Ó
nput							
1	Iх	Ø 9.8 mm Ø 0.39 in	10 35 mm² 8 2 AWG	10 35 mm² 8 2 AWG	15 mm 0.59 in	© ^{4 mm} 0.16 in	3.5 5 Nm 31 44 lb.in
Output 1	Iх	Ø 6.8 mm Ø 0.27 in	2.5 16 mm² 14 6 AWG	6 16 mm² 10 6 AWG	11 mm 0.43 in	3 mm 0.12 in	2 3 Nm 18 26.5 lb.in
J 6	Зx	Ø 6.4 mm Ø 0.25 in	2.5 16 mm² 14 6 AWG	2.5 16 mm² 14 6 AWG	11 mm 0.43 in	5.5 mm 0.22 in	2 3 Nm 18 26.5 lb.in

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Accessories

Description		cription		Туре	Part Number	Pkg	Weight
						qty	1 pce g
1	End stops	10 mm 0.394 in	Dark grey	BAM4	1SNK900001R0000	50	14.00
		5.2 mm 0.205 in		BAZ1	1SNK900002R0000	50	5.30
		10 mm 0.394 in		BAZH1	1SNK900102R0000	20	24.00
2	Terminal block	Blank marker	White	MG-CPM 13 41790	1SNB041790R0512	1960	0.236
	markers	Blank card	Green	MC512PA-GN	1SNK149997R0000	20	10.00
			Blue	MC512PA-BL	1SNK149998R0000	20	10.00
			White	MC512PA	1SNK149999R0000	20	10.00
		Pre-printed marker card		MC512PA	1SNK149002R0000	1	10.00
		(L1-L2-L3-N-PE)					

Complete list of accessories is indicated in the terminal block datasheet including end stops. Some accessories such as jumper bars may modify the terminal block's ratings: Complete information available in the accessories section of the catalog.



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↔ ₩ X3

Description

- The usage of three poles distribution block is recommended for L1, L2, L3 applications
- Each pole can be separated from the assembly to align the poles with upstream equipment configuration
- Mount it on Din rail or plate and save up to 50% rail space compared to conventional copper bars
- Reduce the assembly time by 80% by avoiding to use fastening and isolating components
- Easy identification with the reversible cover and delivered pre-printed markers L1, L2, L3, N, PE, +, -.

Ordering details

Description	Color	Color Ty		Part Number	Pkg		
						qty	1 pce g
Feed-through	Three poles distribution block 3x8 connections	Grey		DBL125-3	1SNL312530R0000	1	367

Main technical data

Connecting capacity		IEC	UL	
Max current / Cross section	Copper	125 A / 35 mm ²	115 A / 2 AWG	
	Aluminium	100 A / 35 mm ²		
Rated voltage		1000 V AC / 1500 V DC	1000 V	
Rated impulse voltage		8 kV		
Short-time withstand current (Icw	1s)	4200 A		
Short Circuit Current Rating (SCCR)				
Rated peak withstand current (lpk	.)	30 kA		
Protection		IP20	NEMA 1	
Protection		IP20	NEMA 1	

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Mounting & wiring instructions

Connection Number by pole	Size	Wire type		Wire stripping length	Tool	Torque
Input	Ø 9.8 mm	10 35 mm²	10 35 mm²	15 mm	6 4 mm	3.5 5 Nm
1	Ø 0.39 in	8 2 AWG	8 2 AWG	0.59 in	0.16 in	31 44 lb.in
Output 1	x Ø 6.8 mm	2.5 16 mm²	6 16 mm²	11 mm	3 mm	2 3 Nm
	Ø 0.27 in	14 6 AWG	10 6 AWG	0.43 in	0.12 in	18 26.5 lb.i
6	x Ø 6.4 mm	2.5 16 mm²	2.5 16 mm²	11 mm	5.5 mm	2 3 Nm
	Ø 0.25 in	14 6 AWG	14 6 AWG	0.43 in	0.22 in	18 26.5 lb.ii
When using	maximum cable size v	with insulated ferrules, use	a maximum of 2 non-adjac	ent holes in each row.		

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O Allen key Ø Posidriv - flat screwdriver

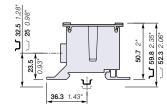
Accessories

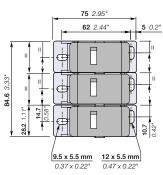
	Description		Color	Туре	Part Number	Pkg	Weight
						qty	1 pce g
1	End stops	10 mm 0.394 in	Dark grey	BAM4	1SNK900001R0000	50	14.00
		5.2 mm 0.205 in		BAZ1	1SNK900002R0000	50	5.30
		10 mm 0.394 in		BAZH1	1SNK900102R0000	20	24.00
2	Terminal block	Blank marker	White	MG-CPM 13 41790	1SNB041790R0512	1960	0.236
	markers	Blank card	Green	MC512PA-GN	1SNK149997R0000	20	10.00
			Blue	MC512PA-BL	1SNK149998R0000	20	10.00
			White	MC512PA	1SNK149999R0000	20	10.00
		Pre-printed marker card		MC512PA	1SNK149002R0000	1	10.00
		(L1-L2-L3-N-PE)					

Complete list of accessories is indicated in the terminal block datasheet including end stops. Some accessories such as jumper bars may modify the terminal block's ratings: Complete information available in the accessories section of the catalog.



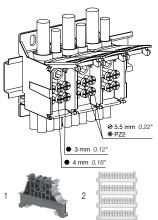
DBL125-3





84.6 mm 3.33 in spacing

Mounting instructions

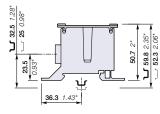


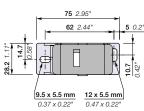


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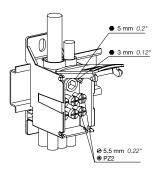
DBL160





28.2 mm 1.11 in spacing

Mounting instructions



Description

- 3 configurations: distribute unipolar and multipolar power lines, or combine several inputs
- Mount it on Din rail or plate and save up to 50% rail space compared to conventional copper bars
- Reduce the assembly time by 80% by avoiding to use fastening and isolating components
- Increase the number of outputs by using the optional input and connecting two DBL together
- Easy identification with the reversible cover and delivered pre-printed markers L1, L2, L3, N, PE, +, -.

Ordering details

Description	Color	Color		Part Number	Pkg	Weight	
				-		qty	1 pce g
Feed-through	Single pole distribution, 8	Grey	Grey 🔲		1SNL316010R0000	1	120
	connections			1			

Main technical data

Connecting capacity		IEC	UL	
Max current / Cross section	Copper	160 A / 70 mm ²	160 A / 2/0 AWG	
	Aluminium	135 A / 70 mm ²		
Rated voltage		1000 V AC / 1500 V DC	1000 V	
Rated impulse voltage		8 kV		
Short-time withstand current (Icw	1s)	6000 A		
Short Circuit Current Rating (SCC	R)		100 kA	
Rated peak withstand current (lpk)	30 kA		
Protection		IP10	NEMA 1	

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on http://www.TE.com

	CE	LEC R	RoHS	SU USR	CSA	EAC	© BV
-							

Mounting & wiring instructions

Rail	ີ	TH 35-7.5, TH 35-15
Connection		

Connection		Wire type		Wire stripping length	Tool	Torque		
Number	Size					Õ		
Input								
↓ 1 x	Ø 11.8 mm Ø 0.46 in	16 50 mm² 6 1/0 AWG	16 70 mm² 6 2/0 AWG	18 mm 0.708 in	© ^{5 mm} 0.20 in	6 10 Nm 53 88 lb.in		
Dutput 1 x	Ø 6.8 mm Ø 0.27 in	2.5 16 mm² 14 6 AWG	6 16 mm² 10 6 AWG	11 mm 0.43 in	3 mm 0.12 in	2 3 Nm 18 26.5 lb.in		
€ 6 x		2.5 16 mm² 14 6 AWG	2.5 16 mm² 14 6 AWG	11 mm 0.43 in	5.5 mm 0.22 in	2 3 Nm 18 26.5 lb.in		
When using m	aximum cable size wit	h insulated ferrules, use a	maximum of 2 non-adjace	ent holes in each row.	•			
Not allowed		Flexible with ferrule (IEC V-I		Rigid stranded R class 2, UL class B/C)				

	lot allowed CF lexible without ferrule EC V-K, UL class GK)	(IEC V-K, UL class GK)		(IEC V-R class 2, UL class B/C)	
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Allen key Ø Posidriv - flat screwdriver



Accessories

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	Description		Color	Туре	Part Number	Pkg	Weight
						qty	1 pce g
1	End stops	10 mm 0.394 in	Dark grey	BAM4	1SNK900001R0000	50	14.00
		5.2 mm 0.205 in		BAZ1	1SNK900002R0000	50	5.30
		10 mm 0.394 in		BAZH1	1SNK900102R0000	20	24.00
2	Terminal block	Blank marker	White] MG-CPM 13 41790	1SNB041790R0512	1960	0.236
	markers	Blank card	Green	MC512PA-GN	1SNK149997R0000	20	10.00
			Blue	MC512PA-BL	1SNK149998R0000	20	10.00
			White	MC512PA	1SNK149999R0000	20	10.00
		Pre-printed marker card		MC512PA	1SNK149002R0000	1	10.00
		(L1-L2-L3-N-PE)					

Complete list of accessories is indicated in the terminal block datasheet including end stops. Some accessories such as jumper bars may modify the terminal block's ratings: Complete information available in the accessories section of the catalog.



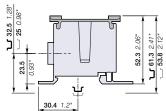
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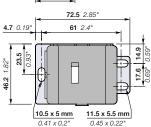
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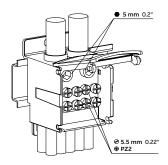
DBL175





46.2 mm 1.81 in spacing

Mounting instructions



Description

- Reduce the assembly time by 80% by avoiding to use fastening and isolating components
- Mount it on Din rail or plate and save up to 50% rail space compared to conventional copper bars
 Increase the number of outputs by using the optional input and connecting two DBL together, or increase the current rating with two wires, 300 A with 50 mm² wires and 350 A with 2/0 AWG wires
- Easy identification with the reversible cover and delivered pre-printed markers L1, L2, L3, N, PE, +, -.

Ordering details

Description		Color	Туре	Part Number	Pkg	Weight
					qty	1 pce g
Feed-through	Single pole distribution, 12	Grey 🗌	DBL175	1SNL317510R0000	1	200
	connections					

Main technical data

Connecting capacity		IEC	UL	
Max current / Cross section	Copper	175 A / 70 mm ²	175 A / 2/0 AWG	
	Aluminium	135 A / 70 mm ²		
Rated voltage		1000 V AC / 1500 V DC 1000 V		
Rated impulse voltage		8 kV		
Short-time withstand current (Icw 1s)		6000 A		
Short Circuit Current Rating (SCC)	R)		100 kA	
Rated peak withstand current (lpk)		30 kA		
Protection		IP10	NEMA 1	

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on http://www.TE.com

	CE	IEC Rear CB	RoHS RoHS	SN USR	SA CSA	EAC	(D) BV
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Mounting & wiring instructions

Connection	Wire type			Wire stripping length	Tool	Torque
Number	Size					Ó
Input						
2 x	Ø 11.8 mm Ø 0.46 in	10 50 mm² 8 1/0 AWG	10 70 mm² 6 2/0 AWG	15 mm 0.708 in	© ⁵ mm 0.20 in	6 10 Nm 53 88 lb.in
Output 10 x	Ø 6.4 mm Ø 0.25 in	2.5 16 mm² 14 6 AWG	2.5 16 mm ² 14 6 AWG	11 mm 0.43 in	5.5 mm 0.22 in	2 3 Nm 18 26.5 lb.ir

Not allowed Flexible without ferrule (IEC V-K, UL class GK)	(IEC V-K, UL class GK)	(IEC V-U class 1, UL solid)	(IEC V-R class 2, UL class B/C)				

Allen key Soldriv - flat screwdriver

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	Description		Color	Туре	Part Number	Pkg	Weight
						qty	1 pce g
1	End stops	10 mm 0.394 in	Dark grey	BAM4	1SNK900001R0000	50	14.00
		5.2 mm 0.205 in		BAZ1	1SNK900002R0000	50	5.30
		10 mm 0.394 in		BAZH1	1SNK900102R0000	20	24.00
2	Terminal block	Blank marker	White	MG-CPM 13 41790	1SNB041790R0512	1960	0.236
	markers	Blank card	Green	MC512PA-GN	1SNK149997R0000	20	10.00
			Blue	MC512PA-BL	1SNK149998R0000	20	10.00
			White	MC512PA	1SNK149999R0000	20	10.00
		Pre-printed marker card		MC512PA	1SNK149002R0000	1	10.00
		(L1-L2-L3-N-PE)					



00 ₩ X3

Description

- The usage of three poles distribution block is recommended for L1, L2, L3 applications
- Each pole can be separated from the assembly to align the poles with upstream equipment configuration
- Mount it on Din rail or plate and save up to 50% rail space compared to conventional copper bars
- Reduce the assembly time by 80% by avoiding to use fastening and isolating components
- Easy identification with the reversible cover and delivered pre-printed markers L1, L2, L3, N, PE, +, -.

Ordering details

Description		Color	Туре	Part Number		Pkg	Weight
						qty	1 pce g
Feed-through	Three poles distribution block 3x8	Grey	DBL175-C-3	1SNL317531R0000		1	360
	connections				1		

Main technical data

Connecting capacity		IEC	UL	
Max current / Cross section	Copper	175 A / 70 mm ²	175 A / 2/0 AWG	
	Aluminium	135 A / 70 mm ²		
Rated voltage		1000 V AC / 1500 V DC	1000 V	
Rated impulse voltage		8 kV		
Short-time withstand current (Icw 1s)		6000 A		
Short Circuit Current Rating (SCC	R)			
Rated peak withstand current (lpk)	30 kA		
Protection		IP10	NEMA 1	

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on http://www.TE.com

Tool

5 mm

Torque

6... 10 Nm

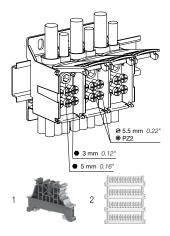
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Mounting & wiring instructions

1.1					
	Rail	TH 35-7.5, TH 35-15			
	Connection Number by pole	Size	Wire type		Wire stripping length
	Input				
10.7 0.42"	1 x	Ø 11.8 mm	16 50 mm ²	16 70 mm ²	18 mm
\		Ø 0.46 in	8 1/0 AWG	6 2/0 AWG	0.708 in
x 5.5 mm 7 x 0.22"	Output	Ø 6.8 mm	2.5 16 mm ²	6 16 mm²	11 mm
1 x U.22	1 x	Ø 0.27 in	14 6 AWG	10 6 AWG	0.43 in
		Ø 6.4 mm	2.5 16 mm ²	2.5 16 mm ²	11 mm

Mounting instructions



♥	1 x	Ø 11.8 mm		16 50 mm²		16 70 mm ²		18 mm		5 mm	6.	10 Nm
	I X	Ø 0.46 in		8 1/0 AWG		6 2/0 AWG		0.708 in	\bigcirc	0.20 in	53	3 88 lb.in
Outp	ut	Ø 6.8 mm		2.5 16 mm ²		6 16 mm²		11 mm	\bigcirc	3 mm	2	3 Nm
	1 .	Ø 0.27 in		14 6 AWG		10 6 AWG		0.43 in		0.12 in	18	3 26.5 lb.in
լլլ	6 x	Ø 6.4 mm		2.5 16 mm ²		2.5 16 mm ²		11 mm	$\langle \rangle$	5.5 mm	2	3 Nm
V	0 X	Ø 0.25 in		14 6 AWG		14 6 AWG		0.43 in	Ś	0.22 in	18	3 26.5 lb.in
When	using m	aximum cabl	le size with	insulated ferrules	, use a	maximum of 2 nor	n-adjacer	nt holes in each row				
Not al	lowed (Flexible with ferrule		Solid		Rigid stranded				
Flexible	e without f	errule ((IFC V-K UI	class G K)	(IFC V-L	J class 1. UL solid)		class 2 LIL class B/C)				

O Allen key Desidriv - flat screwdriver

Accessories

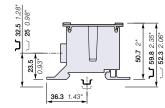
(IEC V-K, UL class G...K)

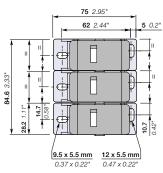
	Description		Color	Туре	Part Number	Pkg	Weight
						qty	1 pce g
1	End stops	10 mm 0.394 in	Dark grey	BAM4	1SNK900001R0000	50	14.00
		5.2 mm 0.205 in		BAZ1	1SNK900002R0000	50	5.30
		10 mm 0.394 in		BAZH1	1SNK900102R0000	20	24.00
2	Terminal block	Blank marker	White	MG-CPM 13 41790	1SNB041790R0512	1960	0.236
	markers	Blank card	Green	MC512PA-GN	1SNK149997R0000	20	10.00
			Blue	MC512PA-BL	1SNK149998R0000	20	10.00
			White	MC512PA	1SNK149999R0000	20	10.00
		Pre-printed marker card		MC512PA	1SNK149002R0000	1	10.00
		(L1-L2-L3-N-PE)					

Complete list of accessories is indicated in the terminal block datasheet including end stops. Some accessories such as jumper bars may modify the terminal block's ratings: Complete information available in the accessories section of the catalog.



DBL175-C-3





84.6 mm 3.33 in spacing

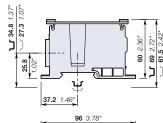


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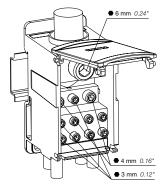


DBL250



46 mm 1.81 in spacing

Mounting instructions



Description

- 3 configurations: distribute unipolar and multipolar power lines, or combine several inputs
- Mount it on Din rail or plate and save up to 50% rail space compared to conventional copper bars
- Reduce the assembly time by 80% by avoiding to use fastening and isolating components
- Easy identification with the reversible cover and delivered pre-printed markers L1, L2, L3, N, PE, +, -.

Ordering details

Description		Color	Color		Part Number	Pkg	Weight
					T T	qty	1 pce g
Feed-through	Single pole distribution, 12 connections	Grey		DBL250	1SNL325010R0000	1	439

Main technical data

Connecting capacity		IEC	UL
Max current / Cross section	Copper	250 A / 120 mm ²	255 A / 250 Kcmil
	Aluminium	200 A / 120 mm ²	
Rated voltage		1000 V AC / 1500 V DC	1000 V
Rated impulse voltage		8 kV	
Short-time withstand current (Icw	1s)	11400 A	
Short Circuit Current Rating (SCC	R)		100 kA
Rated peak withstand current (lpk)	51 kA	
Protection		IP10	NEMA 1

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on http://www.TE.com

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Mounting & wiring instructions

Connection		Wire type		Wire stripping length	Tool	Torque
Number	Size					Ó
Input						
	Ø 15.3 mm	35 95 mm²	35 120 mm ²	28 mm	6 mm	19 21 Nm
▼ 1 x	Ø 0.60 in	2 3/0 AWG	2 250 Kcmil	1.10 in	0.24 in	168 185 lb.i
2 x	Ø 8.7 mm	2.5 25 mm ²	2.5 35 mm ²	11 mm	🔿 4 mm	3.5 5 Nm
Output	Ø 0.34 in	14 4 AWG	14 2 AWG	0.43 in	💛 0.16 in	31 44 lb.in
5 x	Ø 6.4 mm	2.5 16 mm ²	2.5 16 mm ²	11 mm	🔿 3 mm	2 3 Nm
_	Ø 0.25 in	14 6 AWG	14 6 AWG	0.43 in	0.12 in	18 26.5 lb.ir
	Ø 5.7 mm	2.5 10 mm ²	2.5 10 mm ²	11 mm	🔿 3 mm	2 3 Nm
▼ 4 x	Ø 0.22 in	14 8 AWG	14 8 AWG	0.43 in	0.12 in	18 26.5 lb.ir

Not allowed 💭 🛒	Flexible with ferrule	Solid	Rigid stranded
Flexible without ferrule	(IEC V-K, UL class GK)	(IEC V-U class 1, UL solid)	(IEC V-R class 2, UL class B/C)
(IEC V-K, UL class GK)			

Allen key
Posidriv - flat screwdriver



Accessories

	Description		Color	Туре	Part Number	Pkg	Weight
						qty	1 pce g
1	End stops	10 mm 0.394 in	Dark grey	BAM4	1SNK900001R0000	50	14.00
		5.2 mm 0.205 in		BAZ1	1SNK900002R0000	50	5.30
		10 mm 0.394 in		BAZH1	1SNK900102R0000	20	24.00
2	Terminal block	Blank marker	White	MG-CPM 13 41790	1SNB041790R0512	1960	0.236
	markers	Blank card	Green	MC512PA-GN	1SNK149997R0000	20	10.00
			Blue	MC512PA-BL	1SNK149998R0000	20	10.00
			White	MC512PA	1SNK149999R0000	20	10.00
		Pre-printed marker card		MC512PA	1SNK149002R0000	1	10.00
		(L1-L2-L3-N-PE)					

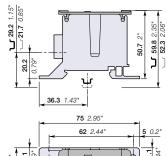


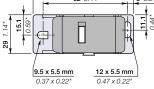
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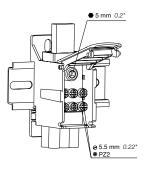
DBL250-F





29 mm 1.14 in spacing

Mounting instructions



Description

- Suitable for distributing power from flat conductors: flexible or solid bars
- Mount it on Din rail or plate and save up to 50% rail space compared to conventional copper bars
- Reduce the assembly time by 80% by avoiding to use fastening and isolating components
- Easy identification with the reversible cover and delivered pre-printed markers L1, L2, L3, N, PE, +, -.

Ordering details

••••••••••••••••••••••••••••••••••••••								
Description		ription Color T		Туре	Part Number		Pkg	Weight
				[-	qty	1 pce g
Feed-through	Single pole distribution - Flat entry, 7 connections	Grey		DBL250-F	1SNL325060R0000		1	119

Main technical data

Connecting capacity		IEC	UL	
Max current / Cross section	Flexible busbar	250 A / 6 x 15.5 x 0.8 mm	250 A / 6 x 15.5 x 0.8 mm	
	Rigid busbar	208 A / 12 x 4 mm	160 A / 12 x 4 mm	
Rated voltage		1000 V AC / 1500 V DC	1000 V	
Rated impulse voltage		8 kV		
Short-time withstand current (Icw	1s)	11400 A		
Short Circuit Current Rating (SCC	R)		Please consult us	
Rated peak withstand current (lpk)	22.8 kA		
Protection		IP20	NEMA 1	

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on http://www.TE.com



Mounting & wiring instructions

Connection		Wire type		Wire stripping length	Tool	Torque
Number	Size					Ó
nput						
1 x	15.5 x 7.5 mm 0.59 x 0.28 in	12 x 4 mm	3 x 9 x 0.8 mm 6 x 15.5 x 0.8 mm	15 mm 0.59 in	© 5 mm 0.20 in	13.5 Nm 120 lb.in
Dutput 6 x	Ø 6.6 mm Ø 0.26 in	2.5 16 mm² 14 6 AWG	2.5 16 mm² 14 6 AWG	11 mm 0.43 in	5.5 mm 0.22 in	2 3 Nm 18 26.5 lb.in

Flexible without ferrule (IEC V-K, UL class GK) (IEC V-U class 1, UL solid) (IEC V-R class 2, UL class B/C)	Not allowed CCC Flexible without ferrule (IEC V-K, UL class GK)	(IEC V-K, UL class GK)		(IEC V-R class 2, UL class B/C)	Solid busbar	Flexible busbar
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Allen kev Posidriv - flat screwdriver



Accessories

	Description		Color	Туре	Part Number	Pkg	Weight
						qty	1 pce g
1	End stops	10 mm 0.394 in	Dark grey	BAM4	1SNK900001R0000	50	14.00
		5.2 mm 0.205 in		BAZ1	1SNK900002R0000	50	5.30
		10 mm 0.394 in		BAZH1	1SNK900102R0000	20	24.00
2	Terminal block	Blank marker	White	MG-CPM 13 41790	1SNB041790R0512	1960	0.236
	markers	Blank card	Green	MC512PA-GN	1SNK149997R0000	20	10.00
			Blue	MC512PA-BL	1SNK149998R0000	20	10.00
			White	MC512PA	1SNK149999R0000	20	10.00
		Pre-printed marker card		MC512PA	1SNK149002R0000	1	10.00
		(L1-L2-L3-N-PE)					

block's ratings: Complete information available in the accessories section of the catalog.

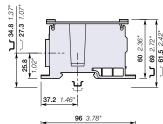


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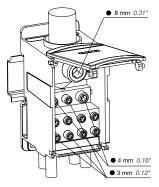
DBL400



10° 5.78 84.5 3.33 *10° 5.7 90° 5.7 5.4 x 7.6 mm 0.21 x 0.3*

46 mm 1.81 in spacing

Mounting instructions



Description

- 3 configurations: distribute unipolar and multipolar power lines, or combine several inputs
- Mount it on Din rail or plate and save up to 50% rail space compared to conventional copper bars
- Reduce the assembly time by 80% by avoiding to use fastening and isolating components
- Easy identification with the reversible cover and delivered pre-printed markers L1, L2, L3, N, PE, +, -.

Ordering details

Description		Color	Туре	Part Number	Pkg	Weight
				T T	qty	1 pce g
Feed-through	Single pole distribution, 12 connections	Grey	DBL400	1SNL340010R0000	1	425

Main technical data

Connecting capacity		IEC	UL
Max current / Cross section	Copper	400 A / 185 mm ²	335 A / 400 Kcmil
	Aluminium	300 A / 185 mm ²	
Rated voltage		1000 V AC / 1500 V DC	1000 V
Rated impulse voltage		8 kV	
Short-time withstand current (Icw 1s)		18000 A	
Short Circuit Current Rating (SCCR)			100 kA
Rated peak withstand current (lpk)		51 kA	
Protection		IP10	NEMA 1

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on http://www.TE.com

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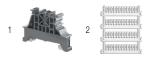


Mounting & wiring instructions

Connection		Wire type		Wire stripping length	Tool	Torque
Number	Size					Ó
Input						
	Ø 18.8 mm	95 150 mm ²	95 185 mm²	28 mm	🔿 8 mm	25 Nm
▼ 1 x	Ø 0.74 in	3/0 300 Kcmil	3/0 400 Kcmil	1.10 in	0.31 in	221 lb.in
2 x	Ø 8.7 mm	2.5 25 mm ²	2.5 35 mm ²	11 mm	🔿 4 mm	3.5 5 Nm
Z X Dutput —	Ø 0.34 in	14 4 AWG	14 2 AWG	0.43 in	0.16 in	31 44 lb.in
5 x	Ø 6.4 mm	2.5 16 mm ²	2.5 16 mm ²	11 mm	🔿 3 mm	2 3 Nm
_	Ø 0.25 in	14 6 AWG	14 6 AWG	0.43 in	0.12 in	18 26.5 lb.ir
	Ø 5.7 mm	2.5 10 mm ²	2.5 10 mm ²	11 mm	🔿 3 mm	2 3 Nm
▼ 4 x	Ø 0.22 in	14 8 AWG	14 8 AWG	0.43 in	0.12 in	18 26.5 lb.ir

Not allowed 💭 🛒	Flexible with ferrule	Solid	Rigid stranded
Flexible without ferrule (IEC V-K, UL class GK)	(IEC V-K, UL class GK)	(IEC V-U class 1, UL solid)	(IEC V-R class 2, UL class B/C)
(IEC V-K, UL Class GK)			

Allen key
Posidriv - flat screwdriver



Accessories

	Description			Color	Туре	Part Number	Pkg	Weight
							qty	1 pce g
1	End stops	10 mm 0.39	94 in	Dark grey	BAM4	1SNK900001R0000	50	14.00
		5.2 mm 0.20	05 in		BAZ1	1SNK900002R0000	50	5.30
		10 mm 0.39	94 in		BAZH1	1SNK900102R0000	20	24.00
2	Terminal block	Blank marker		White	MG-CPM 13 41790	1SNB041790R0512	1960	0.236
	markers	Blank card		Green	MC512PA-GN	1SNK149997R0000	20	10.00
				Blue	MC512PA-BL	1SNK149998R0000	20	10.00
				White	MC512PA	1SNK149999R0000	20	10.00
		Pre-printed marke	r card		MC512PA	1SNK149002R0000	1	10.00
		(L1-L2-L3-N-PE)						

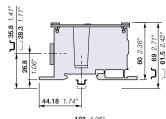


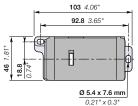
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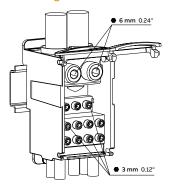
DBL400-PV





46 mm 1.81 in spacing

Mounting instructions



Description

- Suitable for solar application with the possibility to combine 12 photovoltaic strings
- Mount it on Din rail or plate and save up to 50% rail space compared to conventional copper bars
- Reduce the assembly time by 80% by avoiding to use fastening and isolating components
- Increase the number of outputs by using the optional input and connecting two DBL together
- Easy identification with the reversible cover and delivered pre-printed markers L1, L2, L3, N, PE, +, -.

Ordering details

Description		Color	Color		Part Number	Pkg		Weight
							qty	1 pce g
Feed-through	Single pole distribution, 14	Grey		DBL400-PV	1SNL340011R0000		1	202
	connections							

Main technical data

Connecting capacity		IEC	UL
Max current / Cross section	Copper	550 A / (2x) 95 mm ²	400 A / (2x) 250 Kcmil
Rated voltage		1000 V AC / 1500 V DC	1000 V
Rated impulse voltage		8 kV	
Short-time withstand current (Icw	1s)	22800 A	
Short Circuit Current Rating (SCC	R)		Please consult us
Rated peak withstand current (lpk)		47.88 kA	
Protection		IP10	NEMA 1

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on http://www.TE.com

CE	IEC Ree	RoHS	91	€₽	EAC
CE	CB	RoHS	USR	CSA	EAC

Mounting & wiring instructions

	U	<u> </u>	
Rail	പ്	TH 35-7.5, TH 35-15	
Connection Number	Size		Wire type
Input			

Connection		whice type		inc suppling longin	1001	Torque
Number	Size					Ó
Input						
IVI 2Y	Ø 15,5 mm Ø 0.59 in	25 95 mm² 4 3/0 AWG	25 120 mm² 4 250 Kcmil	28 mm 1.1 in	6 mm 0.24 in	19 21 Nm 168 185 lb.in
Output 12 x	Ø 6.6 mm Ø 0.26 in	2.5 16 mm² 14 6 AWG	2.5 16 mm² 14 6 AWG	11 mm 0.43 in	3 mm 0.19 in	2 3 Nm 18 26.5 lb.in

Wire stripping length

Tool

Torque

		(IEC V-K, UL class GK)		(IEC V-R class 2, UL class B/C)	
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Allen key Ø Posidriv - flat screwdriver



Accessories

	Description		Color	Туре	Part Number	Pkg	Weight
						qty	1 pce g
1	End stops	10 mm 0.394 in	Dark grey	BAM4	1SNK900001R0000	50	14.00
		5.2 mm 0.205 in		BAZ1	1SNK900002R0000	50	5.30
		10 mm 0.394 in		BAZH1	1SNK900102R0000	20	24.00
2	Terminal block	Blank marker	White	MG-CPM 13 41790	1SNB041790R0512	1960	0.236
	markers	Blank card	Green	MC512PA-GN	1SNK149997R0000	20	10.00
			Blue	MC512PA-BL	1SNK149998R0000	20	10.00
			White	MC512PA	1SNK149999R0000	20	10.00
		Pre-printed marker card		MC512PA	1SNK149002R0000	1	10.00
		(L1-L2-L3-N-PE)					

Complete list of accessories is indicated in the terminal block datasheet including end stops. Some accessories such as jumper bars may modify the terminal block's ratings: Complete information available in the accessories section of the catalog.



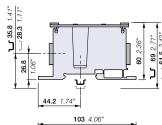
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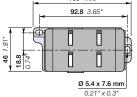
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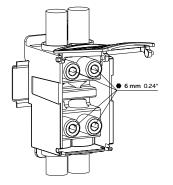
DBL500-22





46 mm 1.81 in spacing

Mounting instructions



Description

- Suitable for distributing or connecting main power lines with 2 inputs and 2 outputs
- Mount it on Din rail or plate and save up to 50% rail space compared to conventional copper bars
- Reduce the assembly time by 80% by avoiding to use fastening and isolating components
- Increase the number of outputs by using the second input and connecting two DBL together
- Easy identification with the reversible cover and delivered pre-printed markers L1, L2, L3, N, PE, +, -.

Ordering details

Description		Color		Туре	Part Number	Pkg	
						qty	1 pce g
Feed-through	Single pole distribution, 4	Grey		DBL500-22	1SNL850001R0000	1	224
	connections						

Main technical data

Connecting capacity		IEC	UL	
Max current / Cross section Copper		500 A / (2x) 95 mm ²	510 A / (2x) 250 Kcmil	
Rated voltage		1000 V AC / 1500 V DC	1000 V	
Rated impulse voltage		8 kV		
Short-time withstand current (Icw	1s)	22800 A		
Short Circuit Current Rating (SCCR)			Please consult us	
Rated peak withstand current (lpk)		47.88 kA		
Protection		IP10	NEMA 1	

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on http://www.TE.com

CE	IEC Rea	RoHS	91	œ	EAC
CE	CB	RoHS	USR	CSA	EAC

Mounting & wiring instructions

Rail	ប	TH 35-7.5, TH 35-15	
Connection Number	Size		Wi

Connection		Wire type		Wire stripping length	Tool	Torque
Number	Size					Ó
Input						
IVI 2×	Ø 15.5 mm Ø 0.61 in	25 95 mm² 4 3/0 AWG	25 120 mm² 4 250 Kcmil	28 mm 1.1 in	6 mm 0.24 in	19 21 Nm 168 185 lb.in
Output 2 x	Ø 15.5 mm Ø 0.61 in	25 95 mm² 4 3/0 AWG	25 120 mm² 4 250 Kcmil	28 mm 1.1 in	6 mm 0.24 in	19 21 Nm 168 185 lb.in
▼						

Not allowed Flexible without ferrule (IEC V-K, UL class GK) (IEC V-G.) (IEC V-K, UL class GK)	Did) (IEC V-R class 2, UL class B/C)	
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Allen key
 Allen key
 Posidriv - flat screwdriver



Accessories

	Description		Color	Туре	Part Number	Pkg	Weight
						qty	1 pce g
1	End Stops	10 mm 0.394 in	Dark Grey	BAM4	1SNK900001R0000	50	14.00
		5.2 mm 0.205 in		BAZ1	1SNK900002R0000	50	5.30
		10 mm 0.394 in		BAZH1	1SNK900102R0000	20	24.00
2	Terminal Block	Blank marker	White	MG-CPM 13 41790	1SNB041790R0512	1960	0.236
	Markers	Blank card	Green	MC512PA-GN	1SNK149997R0000	20	10.00
			Blue	MC512PA-BL	1SNK149998R0000	20	10.00
			White	MC512PA	1SNK149999R0000	20	10.00
		Pre-printed marker card		MC512PA	1SNK149002R0000	1	10.00
		(L1-L2-L3-N-PE)					



Index Part Number/Type classification

	_	_
Part Number	Туре	Page
1SNB		
1SNB041790R0512	MG-CPM 13 41790	8
1SNK		
1SNK149002R0000	MC512PA	8
1SNK149997R0000	MC512PA-GN	8
1SNK149998R0000	MC512PA-BL	8
1SNK149999R0000	MC512PA	8
1SNK900001R0000	BAM4	8
1SNK900002R0000	BAZ1	8
1SNK900102R0000	BAZH1	8
1SNL		
1SNL308010R0000	DBL80	8
1SNL312510R0000	DBL125	9
1SNL312530R0000	DBL125-3	10
1SNL316010R0000	DBL160	11
1SNL317510R0000	DBL175	12
1SNL317531R0000	DBL175-C-3	13
1SNL325010R0000	DBL250	14
1SNL325060R0000	DBL250-F	15
1SNL340010R0000	DBL400	16
1SNL340011R0000	DBL400-PV	17
1SNL850001R0000	DBL500-22	18

Туре	Part Number	Page
В		
BAM4	1SNK900001R0000	8
BAZ1	1SNK900002R0000	8
BAZH1	1SNK900102R0000	8
D		
DBL125	1SNL312510R0000	g
DBL125-3	1SNL312530R0000	10
DBL160	1SNL316010R0000	11
DBL175	1SNL317510R0000	12
DBL175-C-3	1SNL317531R0000	13
DBL250	1SNL325010R0000	14
DBL250-F	1SNL325060R0000	15
DBL400	1SNL340010R0000	16
DBL400-PV	1SNL340011R0000	17
DBL500-22	1SNL850001R0000	18
DBL80	1SNL308010R0000	8
М		
MC512PA	1SNK149002R0000	8
MC512PA	1SNK149999R0000	8
MC512PA-BL	1SNK149998R0000	8
MC512PA-GN	1SNK149997R0000	8

1SNB041790R0512

8

MG-CPM 13 41790

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