

DBL400 power distribution blocks

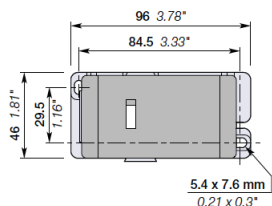
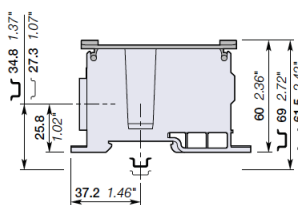
Single pole - 46 mm 1.81 in spacing



DBL400

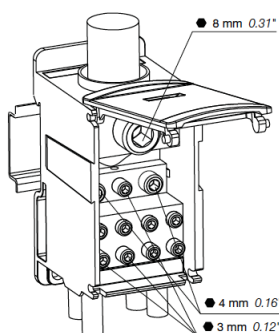
ART. 25/20040-00

1SNK166031V0014



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	Type	Part Number	Pkg qty	Weight 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 Aluminium 300 A / 185 mm ²	335 A / 400 Kcmil
Rated voltage	1000 V AC / 1500 V DC	1000 V
Rated impulse voltage	8 kV	
Short-time withstand current (I _{sw} 1s)	18000 A	
Short Circuit Current Rating (SCCR)		100 kA
Rated peak withstand current (I _{pk})	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>



Mounting & wiring instructions

Rail TH 35-7.5,
TH 35-15

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

When using maximum cable size with insulated ferrules, use a maximum of 2 non-adjacent holes in each row.

Not allowed	Flexible without ferrule	Flexible with insulated ferrule	Rigid Solid	Rigid stranded
(IEC V-K & UL: class 5/6)	(IEC V-K & UL: class 5/6)	(IEC V-K & UL: class 5/6)	(IEC V-U class 1, UL solid)	(IEC V-R class 2, UL class B/C)

Allen key

Posidriv - flat screwdriver

Accessories

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

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.