

DBL160 power distribution blocks

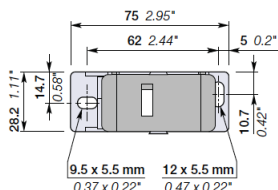
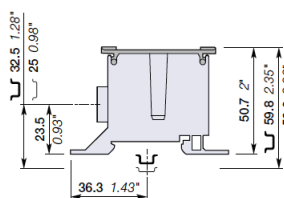
Single pole - 28.2 mm 1.11 in spacing



ART. 25/20016-00

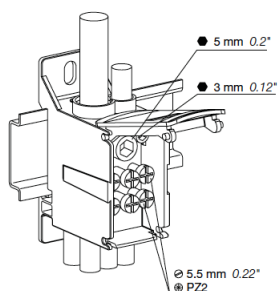
DBL160

1SNK16020R0004



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	Type	Part Number	Pkg qty	Weight 1 pce g
Feed-through Single pole distribution, 8 connections	Grey	☐ DBL160	1SNL316010R0000	1	120

Main technical data

Connecting capacity	IEC	UL
Max current / Cross section	Copper 160 A / 70 mm ² Aluminium 135 A / 70 mm ²	160 A / 2/0 AWG
Rated voltage	1000 V AC / 1500 V DC	1000 V
Rated impulse voltage	8 kV	
Short-time withstand current (I _{cw} 1s)	6000 A	
Short Circuit Current Rating (SCCR)		100 kA
Rated peak withstand current (I _{pk})	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>



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 11.8 mm Ø 0.46 in	16 ... 50 mm ² 6 ... 1/0 AWG	16 ... 70 mm ² 6 ... 2/0 AWG	18 mm 0.708 in	 5 mm 0.20 in	6... 10 Nm 53 ... 88 lb.in
Output						
 1 x	Ø 6.8 mm Ø 0.27 in	2.5 ... 16 mm ² 14 ... 6 AWG	6 ... 16 mm ² 10 ... 6 AWG	11 mm 0.43 in	 3 mm 0.12 in	2 ... 3 Nm 18 ... 26.5 lb.in
 6 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	 5.5 mm 0.22 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 (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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⊙ Allen key ⊗ Posidriv - flat screwdriver

Accessories

Description	Color	Type	Part Number	Pkg qty	Weight 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 markers					
Blank marker	White	MG-CPM 13 41790	1SNB041790R0512	1960	0.236
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 (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.

1SNK16014S0201