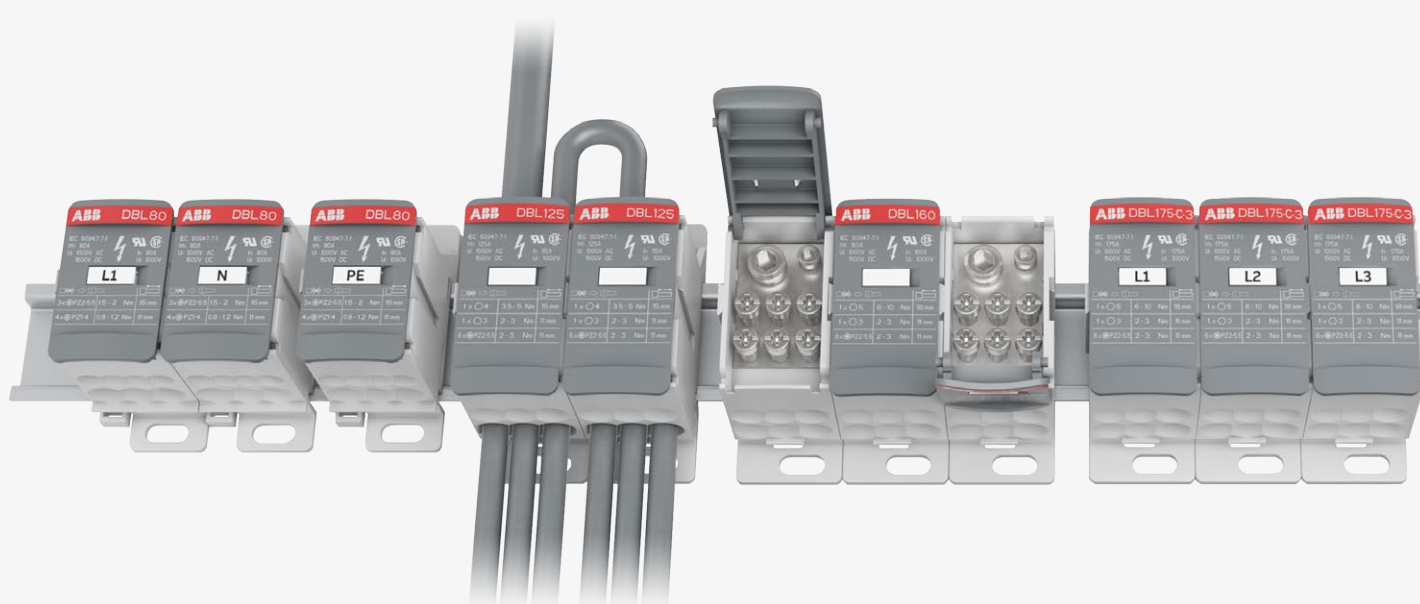


MAIN CATALOGUE

DBL series

Distribution blocks



- From 80 A to 400 A
- Save time with an easy wiring
- Save space thanks to the compact design

DBL series

Distribution blocks



The clever distribution concept

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



RoHS

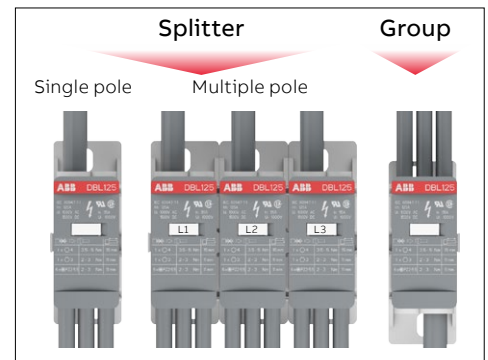


EAC



Easy to install

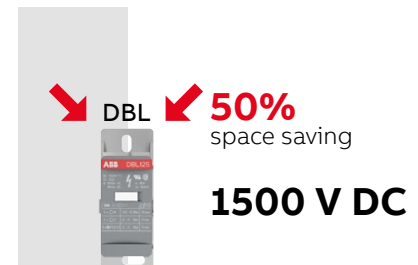
- **3 configurations in 1 product:**
 - **Single pole splitter:** split of power main input into several outputs
 - **Multiple poles splitter:** interlocking function and ready to use marking kit (L1, L2, L3, N, PE, +, -) delivered with each block
 - **Grouping:** of several inputs into 1 output (solar application).
- **Flexible cover facilitates identification & wiring:**
 - Reversible, two directions opening, snap-on
 - All wiring data's and specifications visible on top.



Space saving

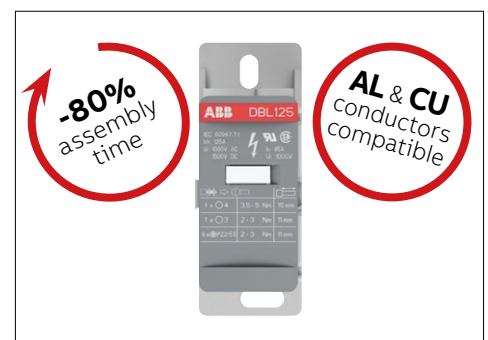
- **Panel space saving:** save up to 50 % rail space compare to conventional distribution bars thanks to our modular compact design
- **1 500 V DC:** voltage rating adapted to most recent solar inverters requirements.

Bus bar



Affordable range

- **Increased productivity thanks to 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...
 - Compatible with **aluminum & copper** conductors
 - 1 product in stock for **3 possible** configurations.



A great flexibility of use whatever your application

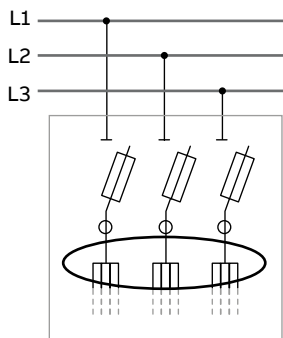
Applications

Commercial & industrial control panels

Convenient single pole or multipole splitter

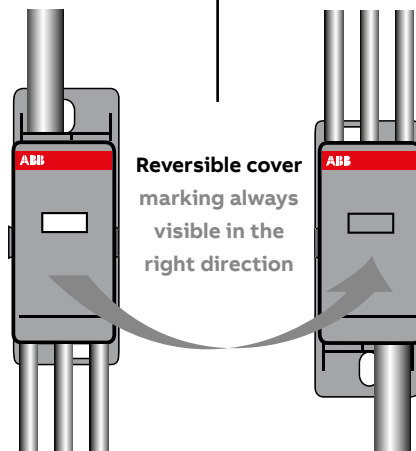


Typical schematic for splitter



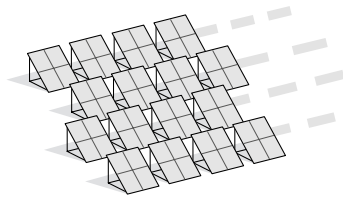
1 product

2 applications

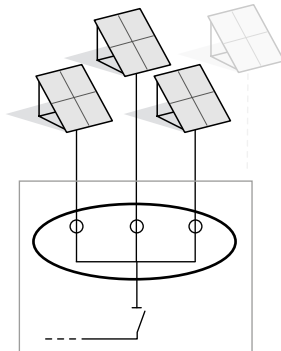


Solar panels

Grouping signals from solar strings



Typical schematic for grouping



DBL series

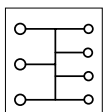
Distribution blocks

Overview from 80 to 400 A

Single pole or multipole

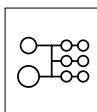
DBL80

Single pole
7 connections



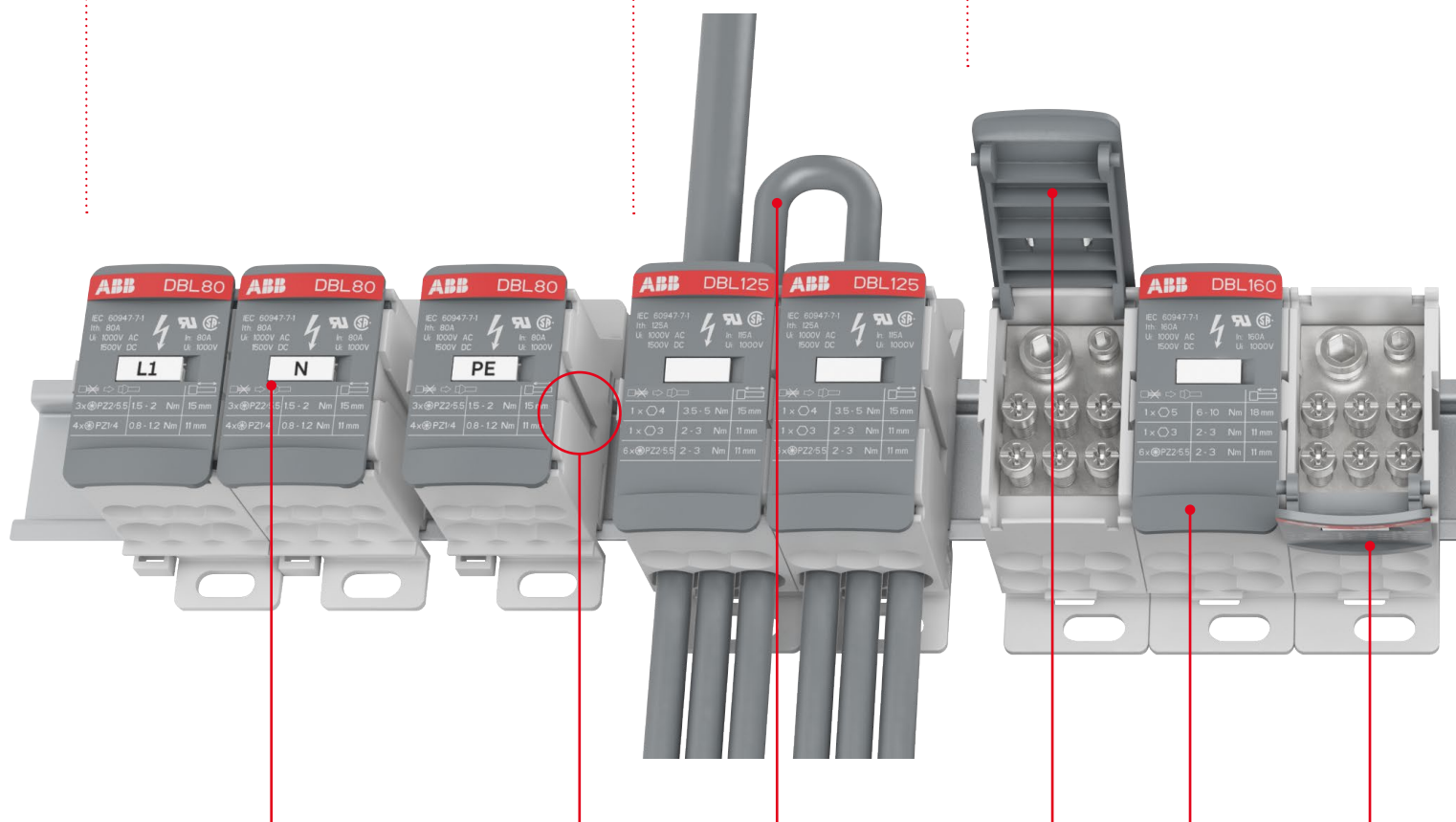
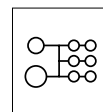
DBL125

Single pole
8 connections



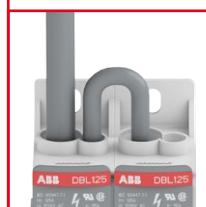
DBL160

Single pole
8 connections



Marking kit
(L1, L2, L3, N, PE)
delivered with
each block

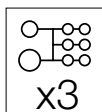
**Easily creates
multiple
assemblies with
interlocking
piece**



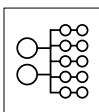
**Easy jumpering,
DBL80...175
incorporate a double
connection point**

DBL125-3 and DBL175-C-3

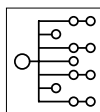
Three poles
24 connections

**DBL175**

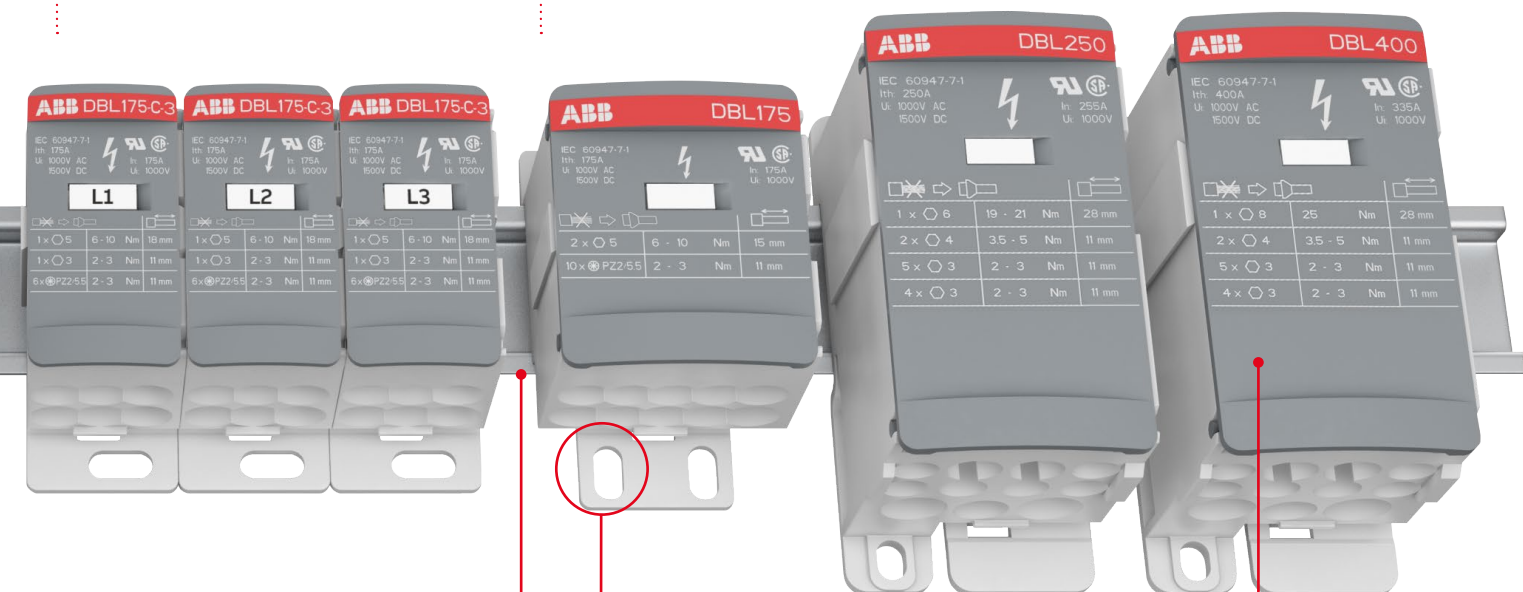
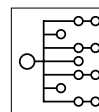
Single pole
12 connections

**DBL250**

Single pole
12 connections

**DBL400**

Single pole
12 connections



**Flexible cover
ease the wiring:**

- Two directions opening
- Removable & snap-on

**Panel or
DIN rail mounting**

**All wiring data's
and specifications
visible from top**

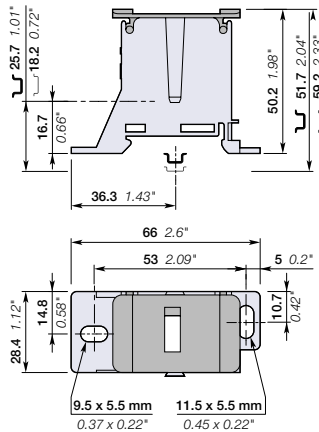
DBL80 distribution blocks

Single pole - 28.4 mm 1.11 in spacing

16 mm²
4 AWG

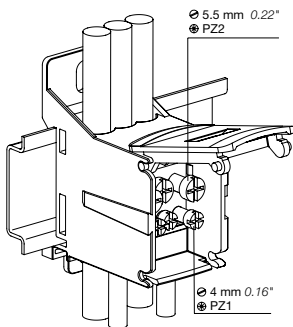


DBL80



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	Type	Order code	Pkg qty	Weight 1 pce g
Feed-through Single pole distribution, 7 connections	Grey	<input type="checkbox"/> DBL80	1SNL308010R0000	1	70

Main technical data

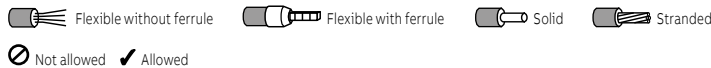
Connecting capacity		IEC	UL
Max current / Max cross section	Copper	80 A / 16 mm ²	80 A / 4 AWG
	Aluminium	63 A / 16 mm ²	
Rated voltage		1000 V AC / 1500 V DC	1000 V
Rated impulse voltage			
Short-time withstand current (I _{cw} 1s)		1920 A	
Short Circuit Current Rating (SCCR)			100 kA
Rated peak withstand current (I _{pk})		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.ABB.com>










Mounting & wiring instructions

Rail	Tool	TH 35-7.5, TH 35-15			
Connection type	Tool	Wire range	Wire stripping length	Recommended torque	
Posidriv - flat screwdriver					
3 x Ø 6.6 mm	5.5 mm	2.5 ... 16 mm ²	2.5 ... 16 mm ²	15 mm	1.5 ... 2 Nm
x Ø 0.26 in	0.22 in	14 ... 6 AWG	14 ... 4 AWG	0.59 in	13.5 ... 18 lb.in
Posidriv - flat screwdriver					
4 x Ø 4.5 mm	4 mm	2.5 ... 6 mm ²	2.5 ... 6 mm ²	11 mm	0.8 ... 1.2 Nm
x Ø 0.18 in	0.16 in	14 ... 10 AWG	14 ... 10 AWG	0.43 in	7.2 ... 10.8 lb.in
x Ø 6.5 mm		2.5 ... 16 mm ²	2.5 ... 16 mm ²		
x Ø 0.26 in		14 ... 6 AWG	14 ... 6 AWG		



Accessories

Description				Color	Type	Order code	Pkg qty	Weight 1 pce g
1	End stops	10 mm	0.394 in	Dark	 BAM4	1SNK900001R0000	50	14.00
		5.2 mm	0.205 in	grey	 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			 MC512PA	1SNK149999R0000	20	10.00
				Green	 MC512PA-GN	1SNK149997R0000	20	10.00
				Blue	 MC512PA-BL	1SNK149998R0000	20	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.

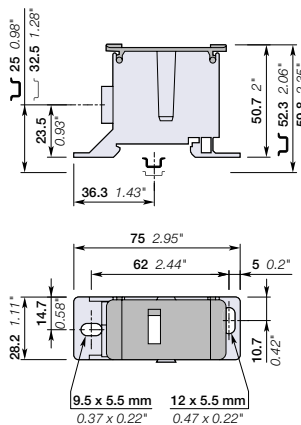
DBL125 distribution blocks

Single pole - 28.2 mm 1.11 in spacing

35 mm²
2 AWG

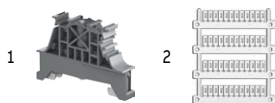
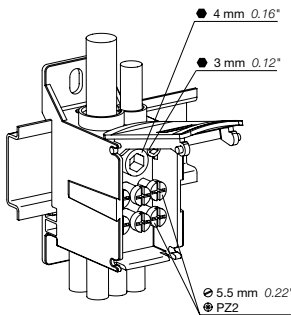


DBL125



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	Type	Order code	Pkg qty	Weight 1 pce g
Feed-through Single pole distribution, 8 connections	Grey	DBL125	1SNL312510R0000	1	122

Main technical data

Connecting capacity		IEC	UL
Max current / Max 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			
Short-time withstand current (I _{cw} 1s)		4200 A	
Short Circuit Current Rating (SCCR)			100 kA
Rated peak withstand current (I _{pk})		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.ABB.com>



Mounting & wiring instructions

Rail	Tool	TH 35-7.5, TH 35-15			
Connection type	Tool	Wire range	Wire stripping length	Recommended torque	
Allen key					
1 x Ø 9.8 mm x Ø 0.39 in	4 mm 0.16 in	10 ... 35 mm ² 8 ... 2 AWG	10 ... 35 mm ² 8 ... 2 AWG	15 mm 0.59 in	3.5 ... 5 Nm 31 ... 44 lb.in
Allen key					
1 x Ø 6.8 mm x Ø 0.27 in	3 mm 0.12 in	2.5 ... 16 mm ² 14 ... 6 AWG	6 ... 16 mm ² 10 ... 6 AWG	11 mm 0.43 in	2 ... 3 Nm 18 ... 26.5 lb.in
Posidriv - flat screwdriver					
6 x Ø 6.5 mm x Ø 0.26 in	5.5 mm 0.22 in	2.5 ... 16 mm ² 14 ... 6 AWG	2.5 ... 16 mm ² 14 ... 6 AWG	11 mm 0.43 in	2 ... 3 Nm 18 ... 26.5 lb.in

When using maximum capacity cables with insulated ferrules a maximum of two holes can be used in each row



Flexible without ferrule



Flexible with ferrule



Solid



Stranded







Not allowed



Allowed

Accessories

Description				Color	Type	Order code	Pkg qty	Weight 1 pce g
1	End stops	10 mm	0.394 in	Dark	 BAM4	1SNK900001R0000	50	14.00
		5.2 mm	0.205 in	grey	BAZ1	1SNK900002R0000	50	5.30
		10 mm	0.394 in		BAZH1	1SNK900102R0000	20	24.00
2	Terminal block markers	Blank marker Blank card	White	 MG-CPM 13 41790	1SNB041790R0512	1960	0.236	
				MC512PA	1SNK149999R0000	20	10.00	
			Green	 MC512PA-GN	1SNK149997R0000	20	10.00	
			Blue	 MC512PA-BL	1SNK149998R0000	20	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.

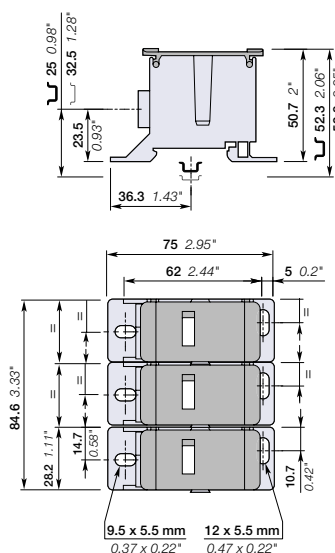
DBL125-3 distribution blocks

3x1 pole - 84.6 mm 3.33 in spacing

35 mm²
2 AWG

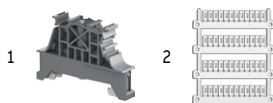
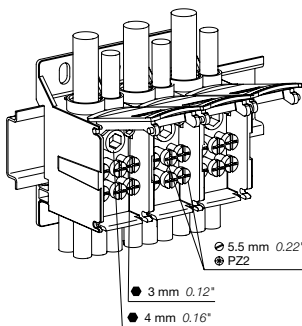


DBL125-3



84.6 mm 3.33 in spacing

Mounting instructions



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	Type	Order code	Pkg qty	Weight 1 pce g
Feed-through	Three poles distribution block 3x8 connections	Grey	DBL125-3	1SNL31253R0000	1	367














Main technical data

Connecting capacity		IEC	UL
Max current / Max 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			
Short-time withstand current (I _{cw} 1s)		4200 A	
Short Circuit Current Rating (SCCR)			
Rated peak withstand current (I _{pk})		30 kA	
Protection		IP20	NEMA 1

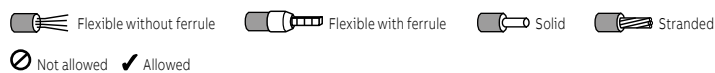
The connecting capacity data for one Rigid / Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, CB and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA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










Mounting & wiring instructions

Rail		TH 35-7.5, TH 35-15			
Connection type	Tool	Wire range	 	Wire stripping length	Recommended torque
		 	 	 	
1 x Ø 9.8 mm x Ø 0.39 in	Allen key  4 mm 0.16 in	10 ... 35 mm ² 8 ... 2 AWG	10 ... 35 mm ² 8 ... 2 AWG	15 mm 0.59 in	3.5 ... 5 Nm 31 ... 44 lb.in
1 x Ø 6.8 mm x Ø 0.27 in	Allen key  3 mm 0.12 in	2.5 ... 16 mm ² 14 ... 6 AWG	6 ... 16 mm ² 10 ... 6 AWG	11 mm 0.43 in	2 ... 3 Nm 18 ... 26.5 lb.in
6 x Ø 6.5 mm x Ø 0.26 in	Posidriv - flat screwdriver  5.5 mm 0.22 in	2.5 ... 16 mm ² 14 ... 6 AWG	2.5 ... 16 mm ² 14 ... 6 AWG	11 mm 0.43 in	2 ... 3 Nm 18 ... 26.5 lb.in

When using maximum capacity cables with insulated ferrules a maximum of two holes can be used in each row.



Accessories

Description				Color	Type	Order code	Pkg qty	Weight 1 pce g
1	End stops	10 mm	0.394 in	Dark grey	 BAM4	15NK900001R0000	50	14.00
		5.2 mm	0.205 in		 BAZ1	15NK900002R0000	50	5.30
		10 mm	0.394 in	 BAZH1	15NK900102R0000	20	24.00	
2	Terminal block markers	Blank marker		White	 MG-CPM 13 41790	15NB041790R0512	1960	0.236
		Blank card			 MC512PA	15NK149999R0000	20	10.00
				Green	 MC512PA-GN	15NK149997R0000	20	10.00
				Blue	 MC512PA-BL	15NK149998R0000	20	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.

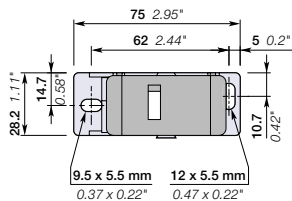
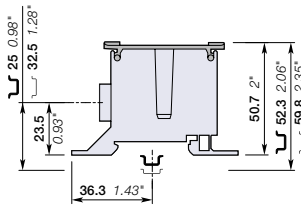
DBL160 distribution blocks

Single pole - 28.2 mm 1.11 in spacing

50 mm²
1/0 AWG

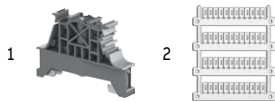
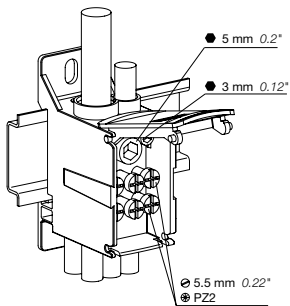


DBL160



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	Type	Order code	Pkg qty	Weight 1 pce g
Feed-through Single pole distribution, 8 connections	Grey	<input type="checkbox"/> DBL160	1SNL316010R0000	1	120

Main technical data

Connecting capacity		IEC	UL
Max current / Max cross section	Copper	160 A / 50 mm ²	160 A / 1/0 AWG
	Aluminium	135 A / 50 mm ²	
Rated voltage		1000 V AC / 1500 V DC	1000 V
Rated impulse voltage			
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

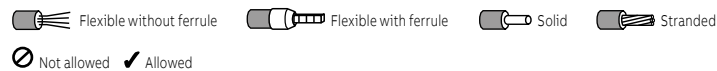
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards (Copper conductors). All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA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










Mounting & wiring instructions

Rail	Tool	TH 35-7.5, TH 35-15			
Connection type	Tool	Wire range	Wire stripping length	Recommended torque	
Allen key					
1 x Ø 11.8 mm x Ø 0.46 in	5 mm 0.20 in	16 ... 50 mm ² 6 ... 1/0 AWG	16 ... 70 mm ² 6 ... 2/0 AWG	18 mm 0.708 in	6... 10 Nm 53 ... 88 lb.in
Allen key					
1 x Ø 6.8 mm x Ø 0.27 in	3 mm 0.12 in	2.5 ... 16 mm ² 14 ... 6 AWG	6 ... 16 mm ² 10 ... 6 AWG	11 mm 0.43 in	2 ... 3 Nm 18 ... 26.5 lb.in
Posidriv - flat screwdriver					
6 x Ø 6.5 mm x Ø 0.26 in	5.5 mm 0.22 in	2.5 ... 16 mm ² 14 ... 6 AWG	2.5 ... 16 mm ² 14 ... 6 AWG	11 mm 0.43 in	2 ... 3 Nm 18 ... 26.5 lb.in

When using maximum capacity cables with insulated ferrules a maximum of two holes can be used in each row



Accessories

Description				Color	Type	Order code	Pkg qty	Weight 1 pce g
1	End stops	10 mm	0.394 in	Dark	 BAM4	1SNK900001R0000	50	14.00
		5.2 mm	0.205 in	grey	 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			 MC512PA	1SNK149999R0000	20	10.00
				Green	 MC512PA-GN	1SNK149997R0000	20	10.00
				Blue	 MC512PA-BL	1SNK149998R0000	20	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.

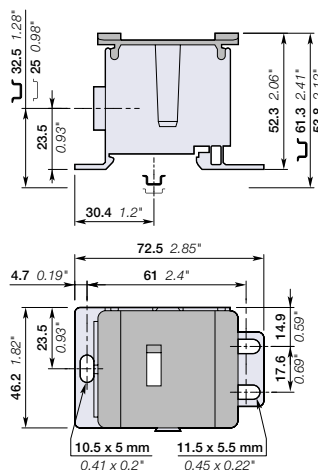
DBL175 distribution blocks

Single pole - 46.2 mm 1.81 in spacing

50 mm²
1/0 AWG

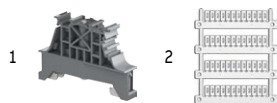
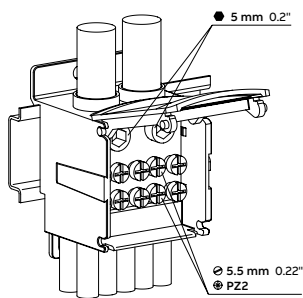


DBL175



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	Type	Order code	Pkg qty	Weight 1 pce g
Feed-through Single pole distribution, 12 connections	Grey	<input type="checkbox"/> DBL175	1SNL317510R0000	1	200

Main technical data

Connecting capacity		IEC	UL
Max current / Max cross section	Copper	175 A / 50 mm ²	175 A / 1/0 AWG
	Aluminium	135 A / 50 mm ²	
Rated voltage		1000 V AC / 1500 V DC	1000 V
Rated impulse voltage			
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

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Mounting & wiring instructions

Rail	Tool	Wire range	Wire stripping length	Recommended torque
TH 35-7.5, TH 35-15				
2 x Ø 11.8 mm x Ø 0.46 in	Allen key	5 mm 0.20 in	10 ... 50 mm ² 8 ... 1/0 AWG	10 ... 70 mm ² 6 ... 2/0 AWG
	Posidriv - flat screwdriver	5.5 mm 0.22 in	2.5 ... 16 mm ² 14 ... 6 AWG	2.5 ... 16 mm ² 14 ... 6 AWG



Flexible without ferrule



Flexible with ferrule



Solid Stranded



Not allowed Allowed

Accessories

Description	Color	Type	Order code	Pkg qty	Weight 1 pce g
1 End stops	10 mm 0.394 in	Dark	BAM4	1SNK900001R0000	50 14.00
	5.2 mm 0.205 in	grey	BAZ1	1SNK900002R0000	50 5.30
	10 mm 0.394 in		BAZH1	1SNK900102R0000	20 24.00
	Blank marker	White	MG-CPM 13 41790	1SNB041790R0512	1960 0.236
2 Terminal block markers	Blank card		MC512PA	1SNK149999R0000	20 10.00
		Green	MC512PA-GN	1SNK149997R0000	20 10.00
		Blue	MC512PA-BL	1SNK149998R0000	20 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.

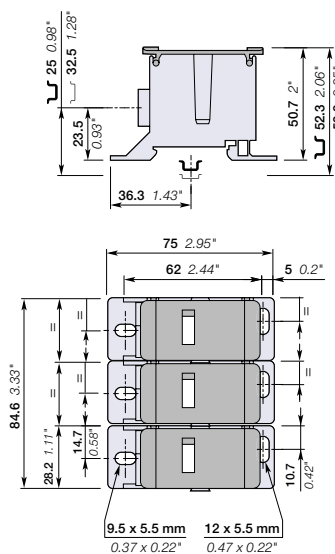
DBL175-C-3 distribution blocks

3x1 pole - 84.6 mm 3.33 in spacing

50 mm²
1/0 AWG

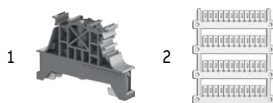
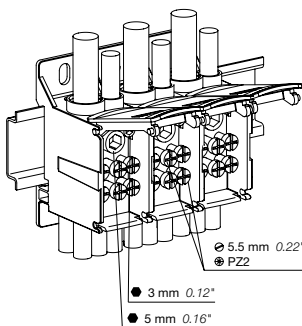


DBL175-C-3



84.6 mm 3.33 in spacing

Mounting instructions



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	Type	Order code	Pkg qty	Weight 1 pce g
Feed-through	Three poles distribution block 3x8 connections	Grey	DBL175-C-3	1SNL317531R0000	1	360












Main technical data

Connecting capacity		IEC	UL
Max current / Max cross section	Copper	175 A / 50 mm ²	175 A / 1/0 AWG
	Aluminium	135 A / 50 mm ²	
Rated voltage		1000 V AC / 1500 V DC	1000 V
Rated impulse voltage			
Short-time withstand current (I _{cw} 1s)		6000 A	
Short Circuit Current Rating (SCCR)			
Rated peak withstand current (I _{pk})		30 kA	
Protection		IP10	NEMA 1

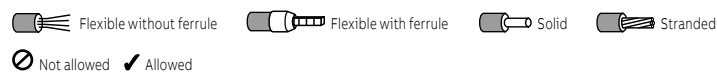
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Mounting & wiring instructions

Rail		TH 35-7.5, TH 35-15				
Connection type	Tool	Wire range	  	Wire stripping length	Recommended torque	
						
1 x Ø 11.8 mm x Ø 0.46 in	Allen key  5 mm 0.20 in	16 ... 50 mm ² 8 ... 1/0 AWG	16 ... 70 mm ² 6 ... 2/0 AWG	18 mm 0.708 in	6... 10 Nm 53 ... 88 lb.in	
1 x Ø 6.8 mm x Ø 0.27 in	Allen key  3 mm 0.12 in	2.5 ... 16 mm ² 14 ... 6 AWG	6 ... 16 mm ² 10 ... 6 AWG	11 mm 0.43 in	2 ... 3 Nm 18 ... 26.5 lb.in	
6 x Ø 6.5 mm x Ø 0.26 in	Posidriv - flat screwdriver  5.5 mm 0.22 in	2.5 ... 16 mm ² 14 ... 6 AWG	2.5 ... 16 mm ² 14 ... 6 AWG	11 mm 0.43 in	2 ... 3 Nm 18 ... 26.5 lb.in	

When using maximum capacity cables with insulated ferrules a maximum of two holes can be used in each row.



Accessories

Description				Color	Type	Order code	Pkg qty	Weight 1 pce g
1	End stops	10 mm	0.394 in	Dark	 BAM4	1SNK900001R0000	50	14.00
		5.2 mm	0.205 in	grey	 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			 MC512PA	1SNK149999R0000	20	10.00
				Green	 MC512PA-GN	1SNK149997R0000	20	10.00
				Blue	 MC512PA-BL	1SNK149998R0000	20	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.

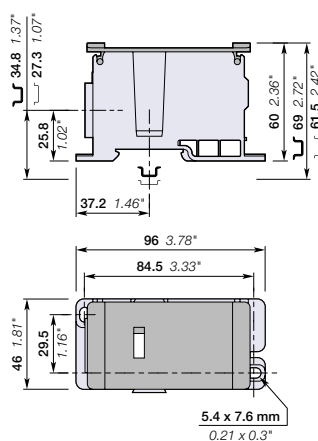
DBL250 distribution blocks

Single pole - 46 mm 1.81 in spacing

95 mm²
3/0 AWG

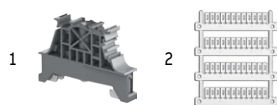
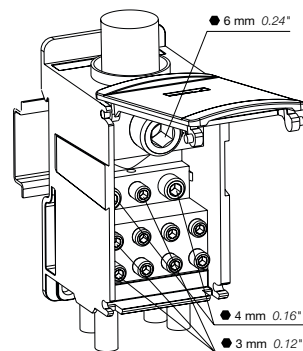


DBL250



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	Type	Order code	Pkg qty	Weight 1 pce g
Feed-through Single pole distribution, 12 connections	Grey	DBL250	1SNL325010R0000	1	439












Main technical data

Connecting capacity		IEC	UL
Max current / Max cross section	Copper	250 A / 95 mm ²	255 A / 3/0 AWG
	Aluminium	200 A / 95 mm ²	
Rated voltage		1000 V AC / 1500 V DC	1000 V
Rated impulse voltage			
Short-time withstand current (I _{cw} 1s)		11400 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.ABB.com>



Mounting & wiring instructions

Rail		TH 35-7.5, TH 35-15			
Connection type	Tool	Wire range	  	Wire stripping length	Recommended torque
					
1 x Ø 15.3 mm x Ø 0.60 in	Allen key  6 mm 0.24 in	35 ... 95 mm ² 2 ... 3/0 AWG	35 ... 120 mm ² 2 ... 250 Kcmil	28 mm 1.10 in	19 ... 21 Nm 168 ... 185 lb.in
2 x Ø 8.7 mm x Ø 0.34 in	Allen key  4 mm 0.16 in	2.5 ... 25 mm ² 14 ... 4 AWG	2.5 ... 35 mm ² 14 ... 2 AWG	11 mm 0.43 in	3.5 ... 5 Nm 31 ... 44 lb.in
5 x Ø 6.5 mm x Ø 0.26 in	Allen key  3 mm 0.12 in	2.5 ... 16 mm ² 14 ... 6 AWG	2.5 ... 16 mm ² 14 ... 6 AWG	11 mm 0.43 in	2 ... 3 Nm 18 ... 26.5 lb.in
4 x Ø 5.7 mm x Ø 0.22 in	Allen key  3 mm 0.12 in	2.5 ... 10 mm ² 14 ... 8 AWG	2.5 ... 10 mm ² 14 ... 8 AWG	11 mm 0.43 in	2 ... 3 Nm 18 ... 26.5 lb.in



Flexible without ferrule



Flexible with ferrule



Solid







Not allowed



Allowed

Accessories

Description				Color	Type	Order code	Pkg qty	Weight 1 pce g
1	End stops	10 mm	0.394 in	Dark	 BAM4	1SNK900001R0000	50	14.00
		5.2 mm	0.205 in	grey	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			MC512PA	1SNK149999R0000	20	10.00
				Green	 MC512PA-GN	1SNK149997R0000	20	10.00
				Blue	 MC512PA-BL	1SNK149998R0000	20	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.

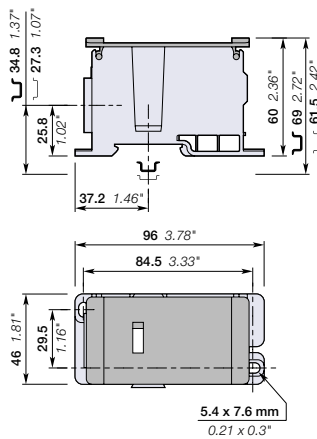
DBL400 distribution blocks

Single pole - 46 mm 1.81 in spacing

150 mm²
300 Kcmil

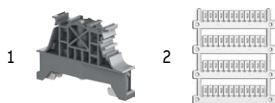
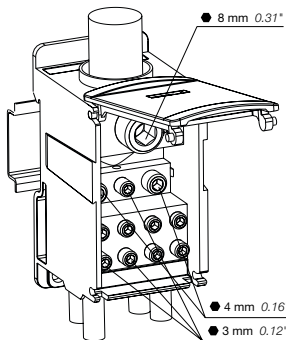


DBL400



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	Order code	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 / Max cross section	Copper	400 A / 150 mm ²	335 A / 300 Kcmil
	Aluminium	300 A / 150 mm ²	
Rated voltage		1000 V AC / 1500 V DC	1000 V
Rated impulse voltage			
Short-time withstand current (I _{cw} 1s)		18000 A	
Short Circuit Current Rating (SCCR)			100 kA
Rated peak withstand current (I _{pk})		51 kA	
Protection		IP10	NEMA 1

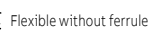
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



Mounting & wiring instructions

Rail	Tool	Wire range	Wire stripping length	Recommended torque
TH 35-7.5, TH 35-15				
Connection type				
1 x Ø 19.8 mm x Ø 0.78 in	Allen key	8 mm 0.31 in	95 ... 150 mm ² 3/0 ... 300 Kcmil	25 Nm 221 lb.in
2 x Ø 8.7 mm x Ø 0.34 in	Allen key	4 mm 0.16 in	2.5 ... 25 mm ² 14 ... 4 AWG	3.5 ... 5 Nm 31 ... 44 lb.in
5 x Ø 6.5 mm x Ø 0.26 in	Allen key	3 mm 0.12 in	2.5 ... 16 mm ² 14 ... 6 AWG	2 ... 3 Nm 18 ... 26.5 lb.in
4 x Ø 5.7 mm x Ø 0.22 in	Allen key	3 mm 0.12 in	2.5 ... 10 mm ² 14 ... 8 AWG	2 ... 3 Nm 18 ... 26.5 lb.in

When using maximum capacity cables with insulated ferrules a maximum of two holes can be used in each row



Accessories

Description				Color	Type	Order code	Pkg qty	Weight 1 pce g
1	End stops	10 mm	0.394 in	Dark	 BAM4	1SNK900001R0000	50	14.00
		5.2 mm	0.205 in	grey	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
					MC512PA	1SNK149999R0000	20	10.00
		Blank card	Green	 MC512PA-GN	1SNK149997R0000	20	10.00	
			Blue	 MC512PA-BL	1SNK149998R0000	20	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.

Notes

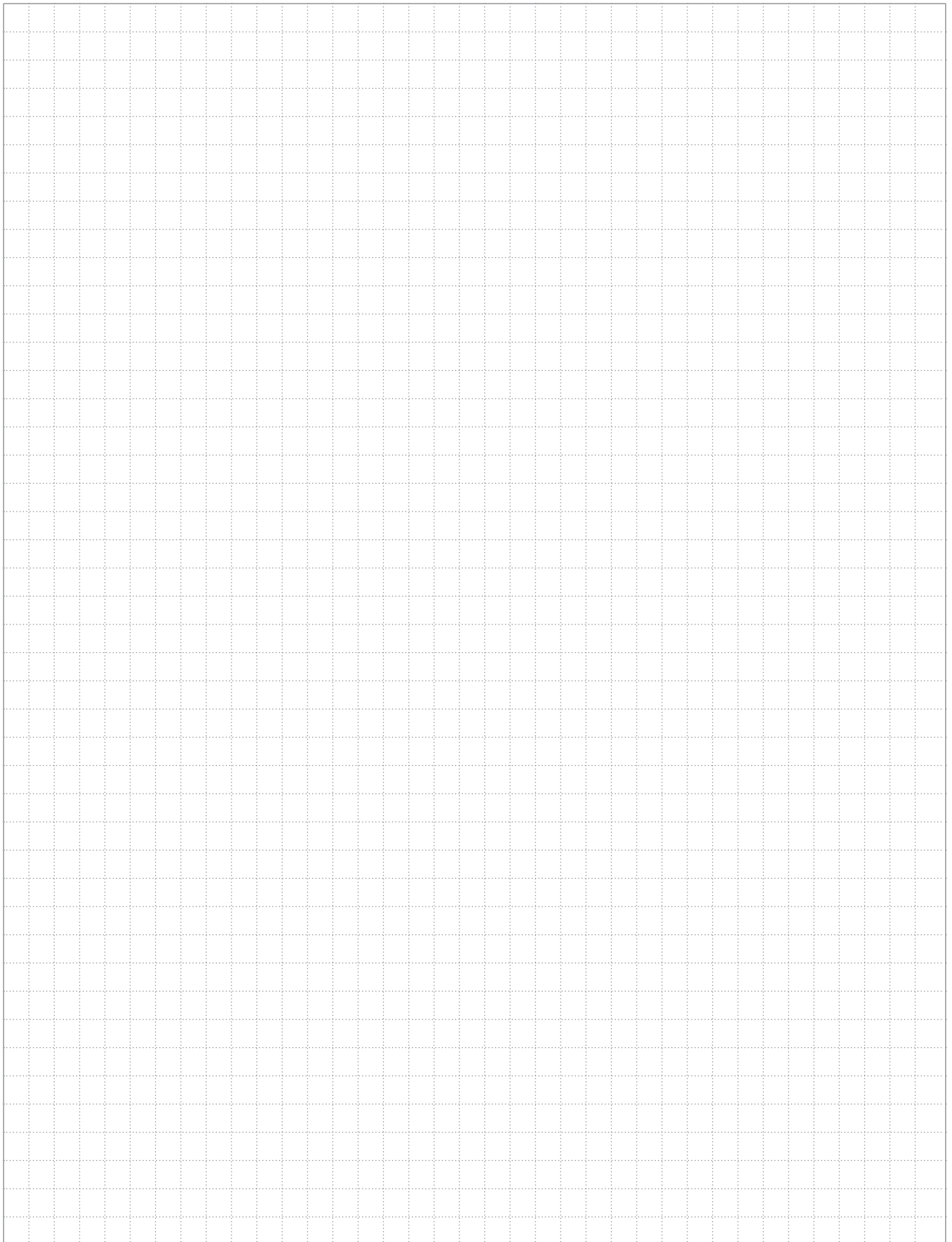




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