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TECHNOLOGY GROUP

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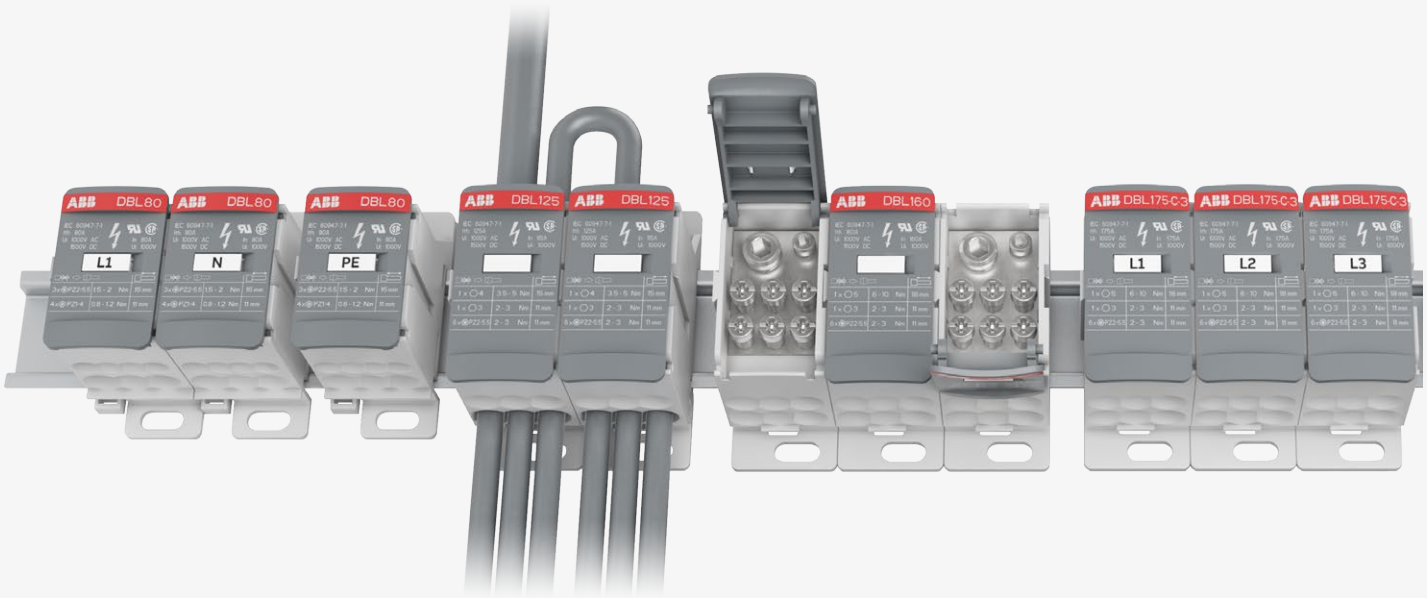
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MAIN CATALOGUE

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

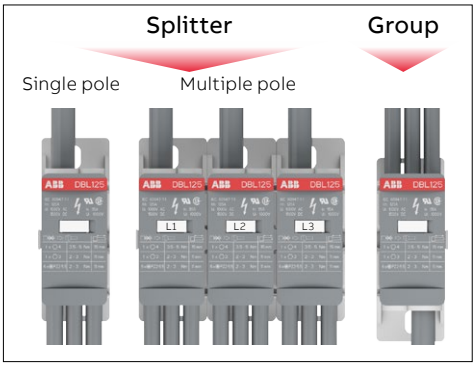
The exclusive compact and modular design of our distribution blocks allows easy installation combined with a great flexibility of use.



Easy to install

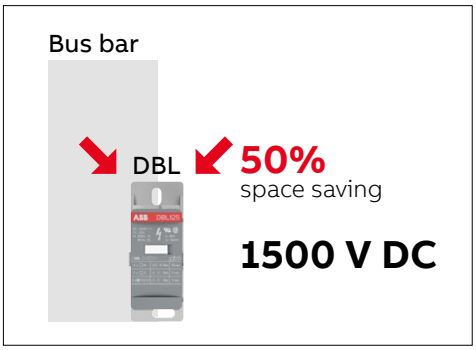
- **3 configurations in 1 product:**
  - **Single pole splitter:** split of power main input into several outputs
  - **Multiple poles splitter:** interlocking function and ready to use marking kit (L1, L2, L3, N, PE, +, -) delivered with each block
  - **Grouping:** of several inputs into 1 output (solar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



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.



1SNC166009S0201 - Rev. B

A great flexibility of use whatever your application

Applications

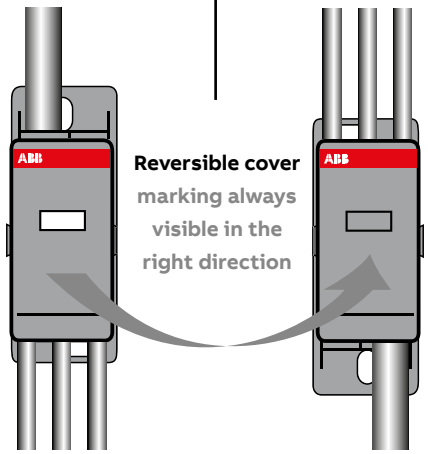
1 product

2 applications

Commercial & industrial control panels

Convenient single pole or multipole splitter

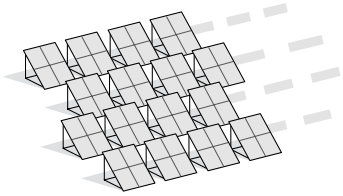




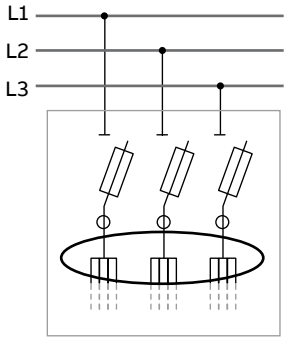
Reversible cover marking always visible in the right direction

Solar panels

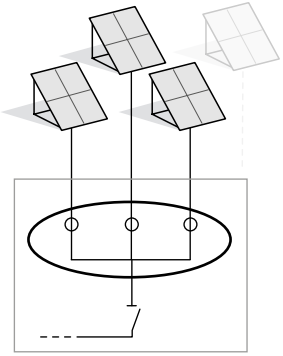
Grouping signals from solar strings



Typical schematic for splitter



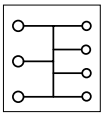
Typical schematic for grouping



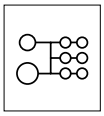
DBL series
Distribution blocks

Overview from 80 to 400 A
Single pole or multipole

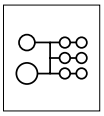
DBL80
Single pole
7 connections

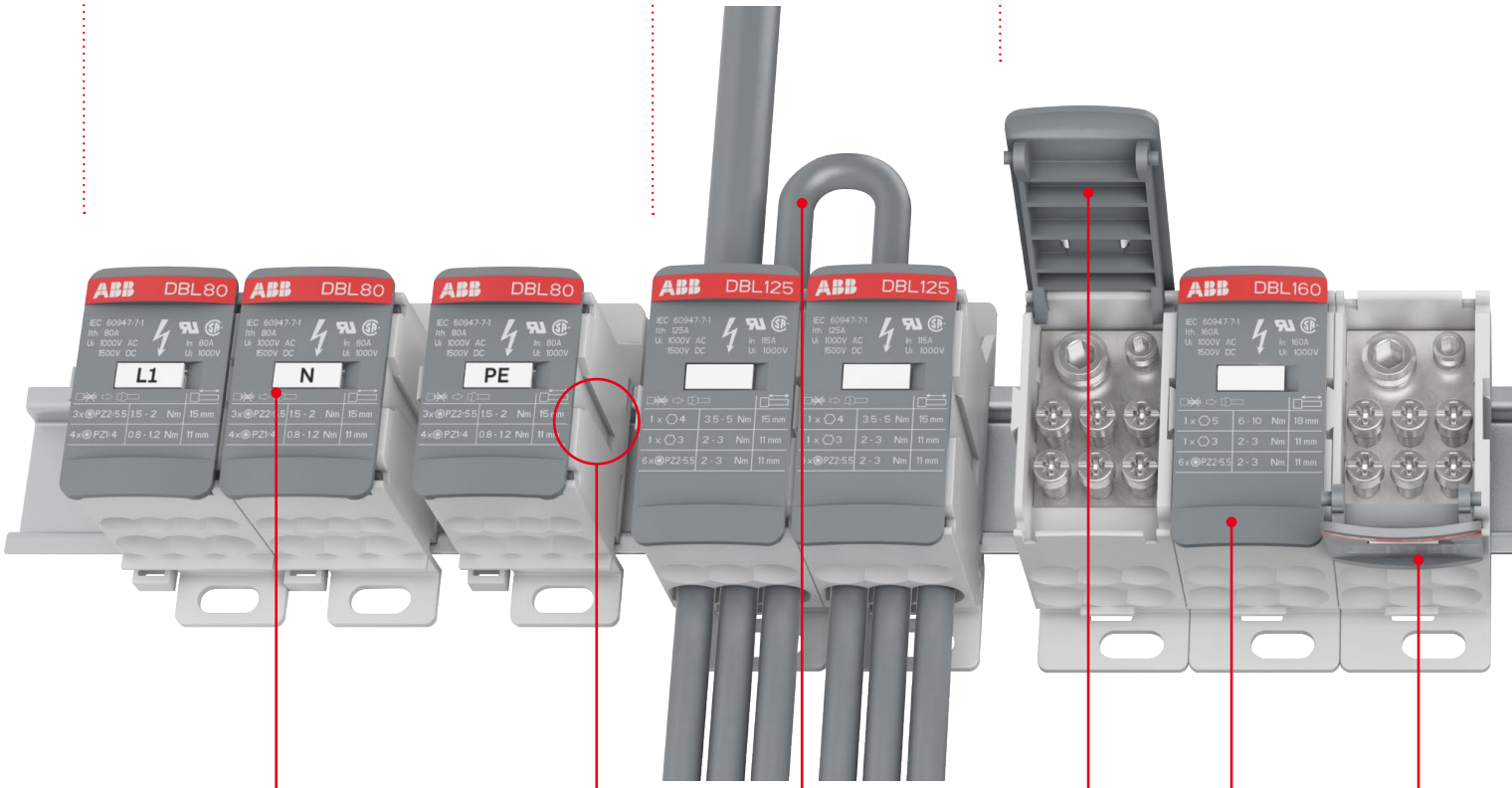


DBL125
Single pole
8 connections



DBL160
Single pole
8 connections





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

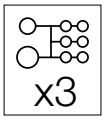
Easily creates multiple assemblies with interlocking piece



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

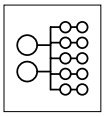
DBL125-3 and DBL175-C-3

Three poles
24 connections



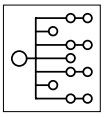
DBL175

Single pole
12 connections



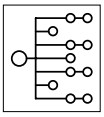
DBL250

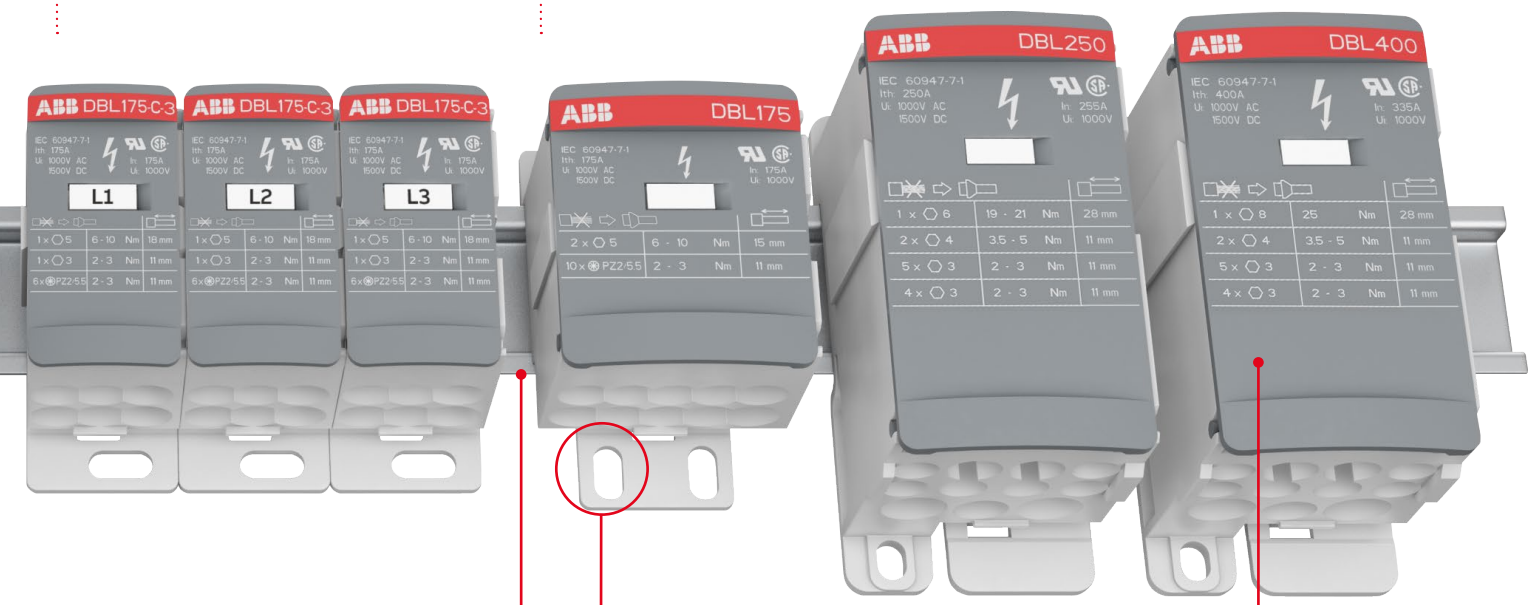
Single pole
12 connections



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

1SNC166011S0201 - Rev. A

DBL80 distribution blocks

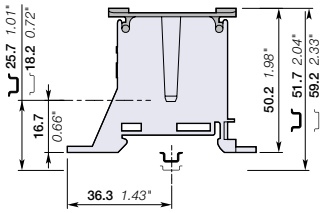
Single pole - 28.4 mm 1.11 in spacing

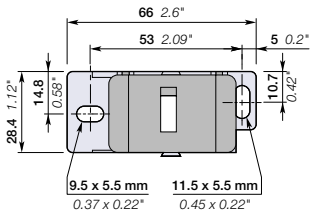
16 mm²
4 AWG





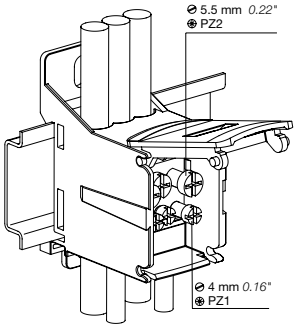
DBL80





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	DBL80	1SNL308010R0000	1	70

Main technical data

Connecting capacity		IEC	UL
Max current / Max cross section	Copper	80 A / 16 mm²	80 A / 4 AWG
	Aluminium	63 A / 16 mm²	
Rated voltage		1000 V AC / 1500 V DC	1000 V
Rated impulse voltage			
Short-time withstand current (Icw 1s)		1920 A	
Short Circuit Current Rating (SCCR)			100 kA
Rated peak withstand current (Ipk)		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

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Mounting & wiring instructions

Rail TH 35-7.5, TH 35-15

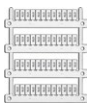
Connection type	Tool	Wire range		Wire stripping length	Recommended torque
	Posidriv - flat screwdriver				
3 x Ø 6.6 mm x Ø 0.26 in	5.5 mm 0.22 in	2.5 ... 16 mm² 14 ... 6 AWG	2.5 ... 16 mm² 14 ... 4 AWG	15 mm 0.59 in	1.5 ... 2 Nm 13.5 ... 18 lb.in
	Posidriv - flat screwdriver				
4 x Ø 4.5 mm x Ø 0.18 in x Ø 6.5 mm x Ø 0.26 in	4 mm 0.16 in	2.5 ... 6 mm² 14 ... 10 AWG 2.5 ... 16 mm² 14 ... 6 AWG	2.5 ... 6 mm² 14 ... 10 AWG 2.5 ... 16 mm² 14 ... 6 AWG	11 mm 0.43 in	0.8 ... 1.2 Nm 7.2 ... 10.8 lb.in

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 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			MC512PA	1SNK149999R0000	20	10.00
				Green	MC512PA-GN	1SNK149997R0000	20	10.00
				Blue	MC512PA-BL	1SNK149998R0000	20	10.00

1  2 

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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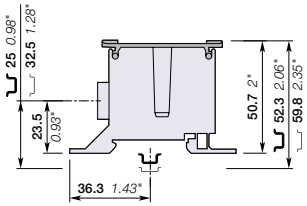
DBL125 distribution blocks

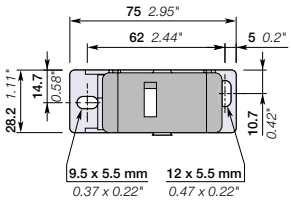
Single pole - 28.2 mm 1.11 in spacing

35 mm²
2 AWG



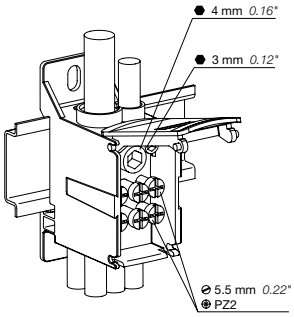
DBL125





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 mm²	115 A / 2 AWG
	Aluminium	100 A / 35 mm²	
Rated voltage		1000 V AC / 1500 V DC	1000 V
Rated impulse voltage			
Short-time withstand current (Icw 1s)		4200 A	
Short Circuit Current Rating (SCCR)			100 kA
Rated peak withstand current (Ipk)		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

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Mounting & wiring instructions

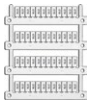
Rail TH 35-7.5, TH 35-15

Connection type	Tool	Wire range	⊘ ✓ ✓	Wire stripping length	Recommended torque
	Allen key				
1 x Ø 9.8 mm x Ø 0.39 in	4 mm 0.16 in	10 ... 35 mm² 8 ... 2 AWG	10 ... 35 mm² 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 mm² 14 ... 6 AWG	6 ... 16 mm² 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 mm² 14 ... 6 AWG	2.5 ... 16 mm² 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

1  2 

Accessories

	Description			Color	Type	Order code	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			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

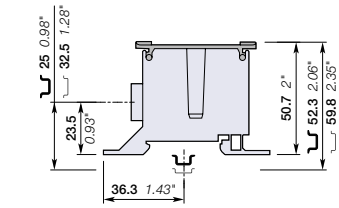
3x1 pole - 84.6 mm 3.33 in spacing

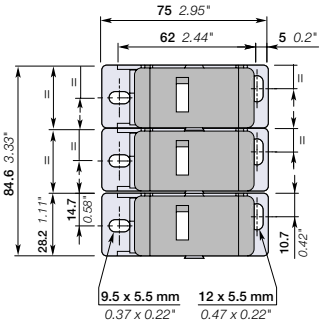
35 mm²
2 AWG

x3



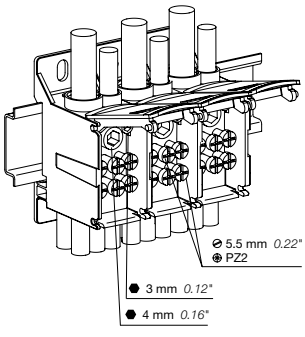
DBL125-3



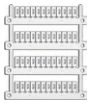


84.6 mm 3.33 in spacing

Mounting instructions



1 

2 

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	1SNL312530R0000	1	367

Main technical data

Connecting capacity		IEC	UL
Max current / Max cross section	Copper	125 A / 35 mm²	115 A / 2 AWG
	Aluminium	100 A / 35 mm²	
Rated voltage		1000 V AC / 1500 V DC	1000 V
Rated impulse voltage			
Short-time withstand current (Icw 1s)		4200 A	
Short Circuit Current Rating (SCCR)			
Rated peak withstand current (Ipk)		30 kA	
Protection		IP20	NEMA 1

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CE CB RoHS USR CSA EAC

Mounting & wiring instructions

Rail 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	4 mm	10 ... 35 mm²	10 ... 35 mm²		15 mm	3.5 ... 5 Nm
x Ø 0.39 in	0.16 in	8 ... 2 AWG	8 ... 2 AWG		0.59 in	31 ... 44 lb.in
	Allen key					
1 x Ø 6.8 mm	3 mm	2.5 ... 16 mm²	6 ... 16 mm²		11 mm	2 ... 3 Nm
x Ø 0.27 in	0.12 in	14 ... 6 AWG	10 ... 6 AWG		0.43 in	18 ... 26.5 lb.in
	Posidriv - flat screwdriver					
6 x Ø 6.5 mm	5.5 mm	2.5 ... 16 mm²	2.5 ... 16 mm²		11 mm	2 ... 3 Nm
x Ø 0.26 in	0.22 in	14 ... 6 AWG	14 ... 6 AWG		0.43 in	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 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			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.

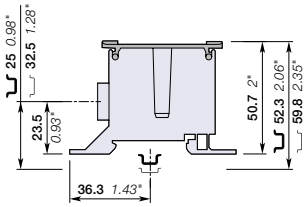
DBL160 distribution blocks

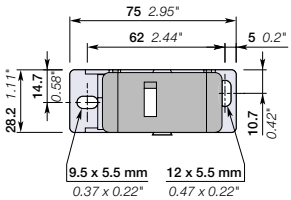
Single pole - 28.2 mm 1.11 in spacing

50 mm²
1/0 AWG



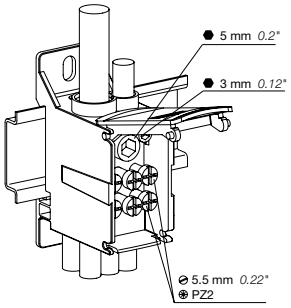
DBL160





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	DBL160	1SNL316010R0000	1	120

Main technical data

Connecting capacity		IEC	UL
Max current / Max cross section	Copper	160 A / 50 mm²	160 A / 1/0 AWG
	Aluminium	135 A / 50 mm²	
Rated voltage		1000 V AC / 1500 V DC	1000 V
Rated impulse voltage			
Short-time withstand current (Icw 1s)		6000 A	
Short Circuit Current Rating (SCCR)			100 kA
Rated peak withstand current (Ipk)		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

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Mounting & wiring instructions

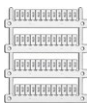
Rail TH 35-7.5, TH 35-15

Connection type	Tool	Wire range	⊘ ✓ ✓	Wire stripping length	Recommended torque
	Allen key				
1 x Ø 11.8 mm x Ø 0.46 in	5 mm 0.20 in	16 ... 50 mm² 6 ... 1/0 AWG	16 ... 70 mm² 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 mm² 14 ... 6 AWG	6 ... 16 mm² 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 mm² 14 ... 6 AWG	2.5 ... 16 mm² 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

1  2 

Accessories

	Description			Color	Type	Order code	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			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.

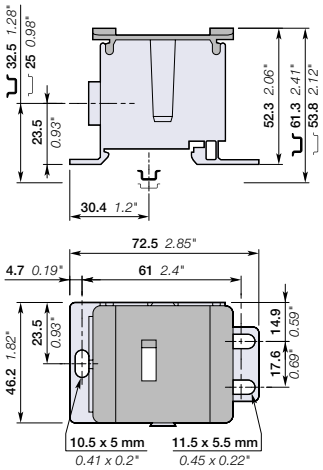
DBL175 distribution blocks

Single pole - 46.2 mm 1.81 in spacing

50 mm²
1/0 AWG

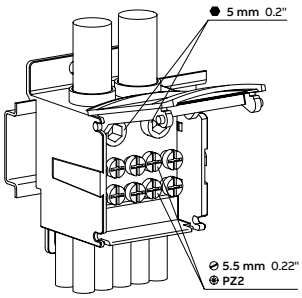


DBL175



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	DBL175	1SNL317510R0000	1	200

Main technical data

Connecting capacity		IEC	UL
Max current / Max cross section	Copper	175 A / 50 mm²	175 A / 1/0 AWG
	Aluminium	135 A / 50 mm²	
Rated voltage		1000 V AC / 1500 V DC	1000 V
Rated impulse voltage			
Short-time withstand current (Icw 1s)		6000 A	
Short Circuit Current Rating (SCCR)			100 kA
Rated peak withstand current (Ipk)		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

CE CB RoHS USR CSA EAC EV

Mounting & wiring instructions

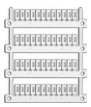
Rail		TH 35-7.5, TH 35-15			
Connection type	**Tool**	**Wire range**	⊘ ✓ ✓	**Wire stripping length**	**Recommended torque**
	Allen key				
2 x Ø 11.8 mm	5 mm	10 ... 50 mm²	10 ... 70 mm²	15 mm	6... 10 Nm
x Ø 0.46 in	0.20 in	8 ... 1/0 AWG	6 ... 2/0 AWG	0.708 in	53 ... 88 lb.in
	Posidriv - flat screwdriver				
10x Ø 6.4 mm	5.5 mm	2.5 ... 16 mm²	2.5 ... 16 mm²	11 mm	2 ... 3 Nm
x Ø 0.25 in	0.22 in	14 ... 6 AWG	14 ... 6 AWG	0.43 in	18 ... 26.5 lb.in
x Ø 6.5 mm		2.5 ... 16 mm²	2.5 ... 16 mm²		
x Ø 0.26 in		14 ... 6 AWG	14 ... 6 AWG		

Flexible without ferrule · Flexible with ferrule · Solid · Stranded

⊘ Not allowed ✓ Allowed



1



2

Accessories

	Description			Color	Type	Order code	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			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

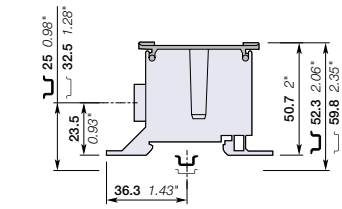
3x1 pole - 84.6 mm 3.33 in spacing

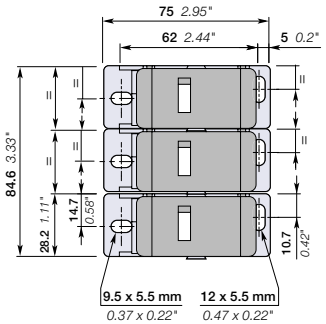
50 mm²
1/0 AWG

x3



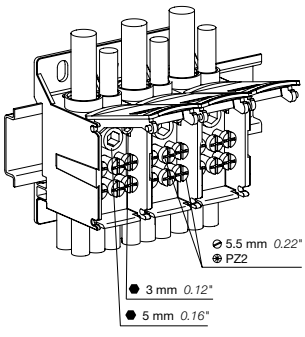
DBL175-C-3

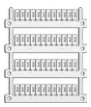




84.6 mm 3.33 in spacing

Mounting instructions



1  2 

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 mm²	175 A / 1/0 AWG
	Aluminium	135 A / 50 mm²	
Rated voltage		1000 V AC / 1500 V DC	1000 V
Rated impulse voltage			
Short-time withstand current (Icw 1s)		6000 A	
Short Circuit Current Rating (SCCR)			
Rated peak withstand current (Ipk)		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

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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
	Allen key					
1 x Ø 11.8 mm	5 mm	16 ... 50 mm²	16 ... 70 mm²		18 mm	6... 10 Nm
x Ø 0.46 in	0.20 in	8 ... 1/0 AWG	6 ... 2/0 AWG		0.708 in	53 ... 88 lb.in
	Allen key					
1 x Ø 6.8 mm	3 mm	2.5 ... 16 mm²	6 ... 16 mm²		11 mm	2 ... 3 Nm
x Ø 0.27 in	0.12 in	14 ... 6 AWG	10 ... 6 AWG		0.43 in	18 ... 26.5 lb.in
	Posidriv - flat screwdriver					
6 x Ø 6.5 mm	5.5 mm	2.5 ... 16 mm²	2.5 ... 16 mm²		11 mm	2 ... 3 Nm
x Ø 0.26 in	0.22 in	14 ... 6 AWG	14 ... 6 AWG		0.43 in	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 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			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

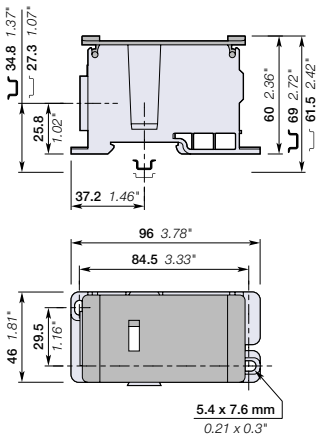
Single pole - 46 mm 1.81 in spacing

95 mm²
3/0 AWG



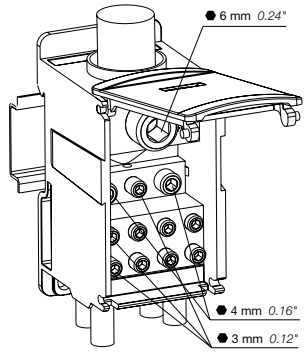


DBL250



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 mm²	255 A / 3/0 AWG
	Aluminium	200 A / 95 mm²	
Rated voltage		1000 V AC / 1500 V DC	1000 V
Rated impulse voltage			
Short-time withstand current (Icw 1s)		11400 A	
Short Circuit Current Rating (SCCR)			100 kA
Rated peak withstand current (Ipk)		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

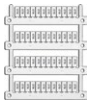
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Mounting & wiring instructions

Rail		TH 35-7.5, TH 35-15			
Connection type	**Tool**	**Wire range**		**Wire stripping length**	**Recommended torque**
			⊘ ✓ ✓		
	Allen key				
1 x Ø 15.3 mm x Ø 0.60 in	6 mm 0.24 in	35 ... 95 mm² 2 ... 3/0 AWG	35 ... 120 mm² 2 ... 250 Kcmil	28 mm 1.10 in	19 ... 21 Nm 168 ... 185 lb.in
	Allen key				
2 x Ø 8.7 mm x Ø 0.34 in	4 mm 0.16 in	2.5 ... 25 mm² 14 ... 4 AWG	2.5 ... 35 mm² 14 ... 2 AWG	11 mm 0.43 in	3.5 ... 5 Nm 31 ... 44 lb.in
	Allen key				
5 x Ø 6.5 mm x Ø 0.26 in	3 mm 0.12 in	2.5 ... 16 mm² 14 ... 6 AWG	2.5 ... 16 mm² 14 ... 6 AWG	11 mm 0.43 in	2 ... 3 Nm 18 ... 26.5 lb.in
	Allen key				
4 x Ø 5.7 mm x Ø 0.22	3 mm 0.12 in	2.5 ... 10 mm² 14 ... 8 AWG	2.5 ... 10 mm² 14 ... 8 AWG	11 mm 0.43 in	2 ... 3 Nm 18 ... 26.5 lb.in

Flexible without ferrule Flexible with ferrule Solid Stranded

⊘ Not allowed ✓ Allowed

1  2 

Accessories

	Description			Color	Type	Order code	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			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

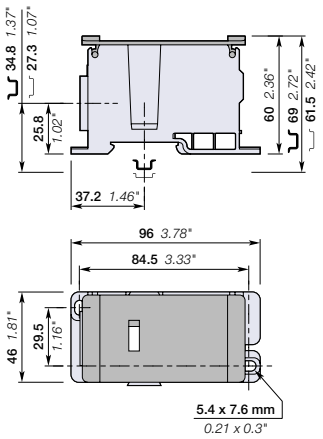
Single pole - 46 mm 1.81 in spacing

150 mm²
300 Kcmil



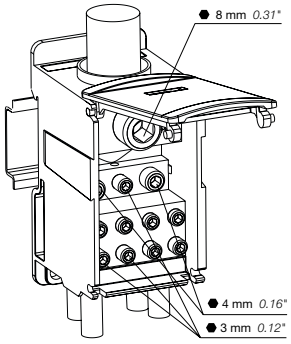


DBL400



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 mm²	335 A / 300 Kcmil
	Aluminium	300 A / 150 mm²	
Rated voltage		1000 V AC / 1500 V DC	1000 V
Rated impulse voltage			
Short-time withstand current (Icw 1s)		18000 A	
Short Circuit Current Rating (SCCR)			100 kA
Rated peak withstand current (Ipk)		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

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Mounting & wiring instructions

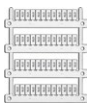
Rail		TH 35-7.5, TH 35-15			
Connection type	**Tool**	**Wire range**	⊘ ✓ ✓	**Wire stripping length**	**Recommended torque**
1 x Ø 19.8 mm x Ø 0.78 in	Allen key 8 mm 0.31 in	95 ... 150 mm² 3/0 ... 300 Kcmil	95 ... 185 mm² 3/0 ... 400 Kcmil	28 mm 1.10 in	25 Nm 221 lb.in
2 x Ø 8.7 mm x Ø 0.34 in	Allen key 4 mm 0.16 in	2.5 ... 25 mm² 14 ... 4 AWG	2.5 ... 35 mm² 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 mm² 14 ... 6 AWG	2.5 ... 16 mm² 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	Allen key 3 mm 0.12 in	2.5 ... 10 mm² 14 ... 8 AWG	2.5 ... 10 mm² 14 ... 8 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

1 

2 

Accessories

	Description			Color	Type	Order code	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			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.

Notes

—
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Low Voltage Products and Systems
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F-69687 Chassieu cedex / France

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