

DISTRIBUTION BLOCKS

The CDB range of Distribution Blocks is an ideal choice for a simplified distribution system. A bolt in the center of the block provides a connection point for the incoming cable. All the terminals are internally connected and provide multiple connection points for the outgoing wires. A protective shield effectively shrouds the incoming connection.

CDB4(1) blocks are recommended for applications where the input connection point is located at one end instead of the center.

CMDB blocks are a modified version of the CDB Terminal Blocks without the central incoming terminal connection.

Note:

Sum of outgoing currents on either side of the center should not exceed half the maximum permissible incoming current

Sum of total outgoing currents should not exceed maximum permissible incoming current.

Connection for higher outgoing currents should be done through the terminal nearest to the incoming connection.

Height with DIN 35 x 7.5 / 35 x 15 / 32 x 15 mm Rail

Wire size at Input

Connection Possibility as per

With 1 Conductor per clamp	Stranded / Flexible
	Solid with Ferrule / Lug
With 2 same size Conductors per clamp	Stranded / Flexible
	with TWIN Ferrule / Lug

Wire Stripping Length

Ratings As Per

Voltage

Current
Total Output (on either side of Input)

Torque
Input Output

Approvals

Insulation Material / Comparative Tracking Index

Rated Impulse Voltage / Pollution Degree

Terminal Block

Mounting Rail (Refer Pg. 136 for details)

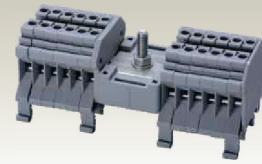
End Clamp (Refer Pg. 137 for details)

Marking Tags (Refer Pg. 139 for details)

Screw Driver



CDB4



46.2 mm / 53.7 mm / 51.1 mm

16.0 mm² / 8 AWG

IEC	UL - CSA
0.25 - 4.0 mm ²	22 - 10 AWG
0.25 - 6.0 mm ²	22 - 8 AWG
0.25 - 4.0 mm ²	22 - 10 AWG
0.25 - 2.5 mm ²	22 - 12 AWG
0.25 - 2.5 mm ²	22 - 12 AWG

9 mm

IEC60947-7-1 IEC 60079-7 UL-1059 CSA22.2-158

800 V	800 V	600 V	600 V
76 A	68 A	50 A	50 A
38 A	34 A	25 A	25 A
2.0 Nm	2.0 Nm	26 lb-in	26 lb-in
0.5 Nm	0.5 Nm	7 lb-in	7 lb-in

UL US C US VDE CE

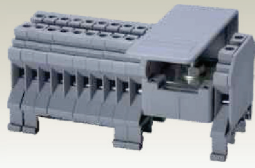
Polyamide 66 / 1

8 KV / 3

Type / Cat. No.	No. of Outputs	Standard Pack
CDB4/1	4	10
CDB4/2	8	10
CDB4/3	12	10
CDB4/4	16	10
CDB4/5	20	10
CDB4/6	24	10

CA701	50 m
CA701-15	50 m
CA501	50 m
CA702	50
CA802	50
CA509/K6	100
SCS0.6/3.5 Blade size: 0.6 x 3.5 mm	10

Type / Cat. No.	H x W x T (mm)	No. of Output
CDB4/1	45 x 43 x 44	4
CDB4/2	45 x 43 x 56	8
CDB4/3	45 x 43 x 68	12
CDB4/4	45 x 43 x 80	16
CDB4/5	45 x 43 x 96	20
CDB4/6	45 x 43 x 108	24

CDB4(1)

46.2 mm / 53.7 mm / 51.1 mm

16.0 mm² / 8 AWG

IEC	UL - CSA
0.25 - 4.0 mm ²	22 - 10 AWG
0.25 - 6.0 mm ²	22 - 8 AWG
0.25 - 4.0 mm ²	22 - 10 AWG
0.25 - 2.5 mm ²	22 - 12 AWG
0.25 - 2.5 mm ²	22 - 12 AWG

9 mm

IEC60947-7-1 IEC 60079-7 UL-1059 CSA22.2-158

800 V	800 V	600 V	600 V
76 A	68 A	50 A	50 A
76 A*	68 A*	35 A	25 A
2.0 Nm	2.0 Nm	26 lb-in	26 lb-in
0.5 Nm	0.5 Nm	7 lb-in	7 lb-in



Polyamide 66 / 1

8 KV / 3

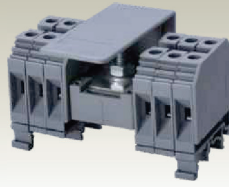
Type / Cat. No.	No. of Outputs	Standard Pack
CDB4/2(1)	6	10
CDB4/3(1)	8	10
CDB4/4(1)	10	10
CDB4/5(1)	12	10
CDB4/6(1)	14	10
CDB4/10(1)	22	10
CDB4/11(1)	24	10
CA701		50 m
CA701-15		50 m
CA501		50 m

CA702	50
CA802	50

CA509/K6	100
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SCS0.6/3.5	Blade size: 0.6 x 3.5 mm	10
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Type / Cat. No.	H x W x T (mm)	No. of Output
CDB4/2(1)	45 x 43 x 52	4
CDB4/3(1)	45 x 43 x 58	8
CDB4/4(1)	45 x 43 x 64	10
CDB4/5(1)	45 x 43 x 70	12
CDB4/6(1)	45 x 43 x 76	14
CDB4/10(1)	45 x 43 x 100	22
CDB4/11(1)	45 x 43 x 106	24

CDB6

47.8 mm / 55.5 mm / 52.8 mm

25.0 mm² / 2 AWG

IEC	UL - CSA
1.5 - 6.0 mm ²	22 - 8 AWG
1.5 - 10.0 mm ²	22 - 6 AWG
1.5 - 6.0 mm ²	22 - 8 AWG
1.5 - 4.0 mm ²	22 - 10 AWG
1.5 - 4.0 mm ²	22 - 10 AWG

12 mm

IEC60947-7-1 IEC 60079-7 UL-1059 CSA22.2-158

800 V	800 V	600 V	600 V
101 A	90 A	100 A	100 A
50 A	45 A	50 A	50 A
3.0 Nm	3.0 Nm	35 lb-in	35 lb-in
0.8 Nm	0.8 Nm	14 lb-in	14 lb-in



Polyamide 66 / 1

8 KV / 3

Type / Cat. No.	No. of Outputs	Standard Pack
CDB6/2	8	10
CDB6/3	12	10
CDB6/4	16	10

CA701	50 m
CA701-15	50 m
CA501	50 m

CA702	50
CA802	50

CA509/K8	100
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SCS0.8/4	Blade size: 0.8 x 4 mm	10
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Type / Cat. No.	H x W x T (mm)	No. of Output
CDB6/2	43 x 48 x 64	8
CDB6/3	43 x 48 x 80	12
CDB6/4	43 x 48 x 96	16

CDB10

47.8 mm / 55.5 mm / 52.8 mm

35.0 mm² / 1/0 AWG

IEC	UL - CSA
1.5 - 10 mm ²	22 - 6 AWG
1.5 - 10 mm ²	22 - 6 AWG
1.5 - 6 mm ²	22 - 8 AWG
1.5 - 6 mm ²	22 - 8 AWG

12 mm

IEC60947-7-1 IEC 60079-7 UL-1059 CSA22.2-158

800 V	800 V	600 V	600 V
125 A	112 A	100 A	100 A
62 A	56 A	50 A	50 A
6.0 Nm	6.0 Nm	53 lb-in	53 lb-in
1.2 Nm	1.2 Nm	14 lb-in	14 lb-in



Polyamide 66 / 1

8 KV / 3

Type / Cat. No.	No. of Outputs	Standard Pack
CDB10/2	8	10
CDB10/3	12	10
CDB10/4	16	5

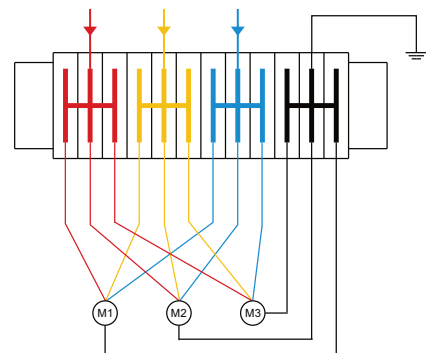
CA701	50 m
CA701-15	50 m
CA501	50 m

CA702	50
CA802	50

CA509/K10	100
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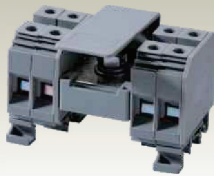
SCS0.8/4	Blade size: 0.8 x 4 mm	10
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Type / Cat. No.	H x W x T (mm)	No. of Output
CDB10/2	43 x 48 x 72	8
CDB10/3	43 x 48 x 92	12
CDB10/4	43 x 48 x 112	16

Phase Distribution Application with CDB Terminals

* Total output current of the system.

DISTRIBUTION BLOCKS

DISTRIBUTION BLOCKS		CDB25				CMDB4							
													
Height with DIN 35 x 7.5 / 35 x 15 / 32 x 15 mm Rail		57.2 mm / 64.7 mm / 62.3 mm				46.2 mm / 53.7 mm / 51.1 mm							
Wire size at Input		50.0 mm² / 2/0 AWG											
Connection Possibility as per		IEC		UL - CSA		IEC		UL - CSA					
With 1 Conductor per clamp	Stranded / Flexible	6.0 - 25 mm²		12 - 2/0 AWG		0.25 - 4.0 mm²		22 - 10 AWG					
	Solid with Ferrule / Lug	6.0 - 25 mm²		12 - 2/0 AWG		0.25 - 6.0 mm²		22 - 8 AWG					
With 2 same size Conductors per clamp	Stranded / Flexible	6.0 - 16 mm²		12 - 8 AWG		0.25 - 4.0 mm²		22 - 10 AWG					
	with TWIN Ferrule / Lug	6.0 - 16 mm²		12 - 8 AWG		0.25 - 2.5 mm²		22 - 12 AWG					
Wire Stripping Length		18 mm				12 mm							
Ratings As Per		IEC60947-7-1 IEC 60079-7		UL-1059 CSA22.2-158		IEC60947-7-1 IEC 60079-7		UL-1059 CSA22.2-158					
Voltage		800 V		800 V		600 V		600 V					
Current	Total Output (on either side of Input)	101 A 50 A		90 A 45 A		150 A 75 A		150 A 75 A					
Torque	Input Output	6.0 Nm 2.0 Nm		6.0 Nm 2.0 Nm		53 lb-in 14 lb-in		53 lb-in 14 lb-in					
Approvals													
Insulation Material / Comparative Tracking Index		Polyamide 66 / 1				Polyamide 66 / 1							
Rated Impulse Voltage / Pollution Degree		8 KV / 3				8 KV / 3							
Terminal Block		Type / Cat. No.		No. of Outputs		Standard Pack		Type / Cat. No.		No. of Outputs		Standard Pack	
		CDB25/2		8		10		CMDB4/2		4		10	
		CDB25/3		12		10		CMDB4/3		6		10	
		CDB25/4		16		5		CMDB4/4		8		10	
								CMDB4/10		20		10	
Mounting Rail (Refer Pg. 136 for details)		CA701		50 m		CA701		50 m					
		CA701-15		50 m		CA701-15		50 m					
		CA501		50 m		CA501		50 m					
End Clamp (Refer Pg. 137 for details)		CA702		50		CA702		50					
		CA802		50		CA802		50					
Marking Tags (Refer Pg. 139 for details)		CA509/K12		100		CA509/K6		100					
Screw Driver		SCS1.0/5.5 Blade size: 1.0 x 5.5 mm		10		SCS0.6/3.5 Blade size: 0.6 x 3.5 mm		10					
		Type / Cat. No.		H x W x T (mm)		No. of Output		Type / Cat. No.		H x W x T (mm)		No. of Output	
		CDB25/2		56 x 49 x 88		8		CMDB4/2		45 x 43 x 13.5		4	
		CDB25/3		56 x 49 x 112		12		CMDB4/3		45 x 43 x 19.5		8	
		CDB25/4		56 x 49 x 136		16		CMDB4/4		45 x 43 x 25.5		8	
								CMDB4/10		45 x 43 x 61.5		20	

¹ UL approval expected in July 2011

CMDB6



47.8 mm / 55.5 mm / 52.8 mm

IEC	UL - CSA
1.5 - 6.0 mm ²	22 - 8 AWG
1.5 - 10.0 mm ²	22 - 6 AWG
1.5 - 6.0 mm ²	22 - 8 AWG
1.5 - 4.0 mm ²	22 - 10 AWG
1.5 - 4.0 mm ²	22 - 10 AWG

12 mm

IEC60947-7-1 IEC 60079-7 UL-1059 CSA22.2-158

1000 V	630 V	600 V	600 V
41 A	36 A	50 A	50 A

0.8 Nm	0.8 Nm	14 lb-in	14 lb-in
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Polyamide 66 / 1

8 KV / 3

Type / Cat. No.	No. of Outputs	Standard Pack
CMDB6/2	4	10
CMDB6/3	6	10
CMDB6/4	8	10
CMDB6/10	20	5

CA701	50 m
CA701-15	50 m
CA501	50 m
CA702	50
CA802	50
CA509/K8	100
SCS0.8/4 Blade size: 0.8 x 4 mm	10

Type / Cat. No.	H x W x T (mm)	No. of Output
CMDB6/2	43 x 48 x 17.5	4
CMDB6/3	43 x 48 x 25.5	6
CMDB6/4	43 x 48 x 33.5	8
CMDB6/10	43 x 48 x 81.5	20

CMDB10



47.8 mm / 55.5 mm / 52.8 mm

IEC	UL - CSA
1.5 - 10.0 mm ²	22 - 6 AWG
1.5 - 16.0 mm ²	22 - 6 AWG
1.5 - 10.0 mm ²	22 - 6 AWG
1.5 - 6.0 mm ²	22 - 10 AWG
1.5 - 6.0 mm ²	22 - 10 AWG

18 mm

IEC60947-7-1 IEC 60079-7 UL-1059 CSA22.2-158

1000 V	630 V	600 V	600 V
57 A	51 A	65 A	65 A

1.2 Nm	1.2 Nm	14 lb-in	14 lb-in
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Polyamide 66 / 1

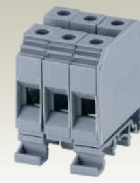
8 KV / 3

Type / Cat. No.	No. of Outputs	Standard Pack
CMDB10/2	4	10
CMDB10/3	6	10
CMDB10/4	8	10
CMDB10/10	20	5

CA701	50 m
CA701-15	50 m
CA501	50 m
CA702	50
CA802	50
CA509/K10	100
SCS0.8/4 Blade size: 0.8 x 4 mm	10

Type / Cat. No.	H x W x T (mm)	No. of Output
CMDB10/2	43 x 48 x 21.5	4
CMDB10/3	43 x 48 x 31.5	6
CMDB10/4	43 x 48 x 41.5	8
CMDB10/10	43 x 48 x 101.5	20

CMDB25



57.2 mm / 64.7 mm / 62.3 mm

IEC	UL - CSA
6.0 - 25.0 mm ²	12 - 2 AWG
6.0 - 25.0 mm ²	12 - 2 AWG
6.0 - 16.0 mm ²	12 - 4 AWG
6.0 - 6.0 mm ²	12 - 8 AWG

18 mm

IEC60947-7-1 IEC 60079-7 UL-1059 CSA22.2-158

800 V	690 V	600 V	600 V
101 A	88 A	115 A	115 A

2.0 Nm	2.0 Nm	14 lb-in	14 lb-in
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Polyamide 66 / 1

8 KV / 3

Type / Cat. No.	No. of Outputs	Standard Pack
CMDB25/2	4	10
CMDB25/3	6	10
CMDB25/4	8	10
CMDB25/10	20	5

CA701	50 m
CA701-15	50 m
CA501	50 m
CA702	50
CA802	50
CA509/K12	100
SCS1.0/5.5 Blade size: 1.0 x 5.5 mm	10

Type / Cat. No.	H x W x T (mm)	No. of Output
CMDB25/2	56 x 49 x 26	4
CMDB25/3	56 x 49 x 38	6
CMDB25/4	56 x 49 x 50	8

¹ UL approval expected in July 2011