

TERMINAL BLOCKS WITH ELECTRONIC COMPONENTS

The following Standard Active Terminal Blocks are available:

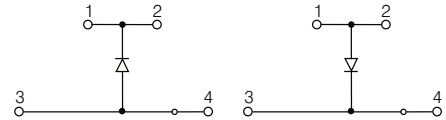
Diode / Resistor Terminal Blocks

Terminal Blocks with Light Indication

CDL4U(O) - Connectwell Double Level Terminal Blocks are available with open current bars at the bottom level to which the electronic components can be soldered.

CDL4USP - Spacers can be used for covering custom electronic components, which may protrude from the CDL4U(O) Terminal Block.

Circuit Diagram



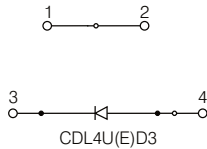
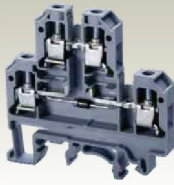
CDL4U(E)D1

CDL4U(E)D2

Width (Thickness) x Length	6 x 55.5 mm																											
Height with DIN 35 x 7.5 / 35 x 15 / 32 x 15 mm Rail	55.7 mm / 63.1 mm / 60.3 mm																											
Connection Possibility as per	<table><tr><th>IEC</th><th colspan="3">UL - CSA</th></tr><tr><td>0.25 - 4.0 mm²</td><td colspan="3">22 - 10 AWG</td></tr><tr><td>0.25 - 6.0 mm²</td><td colspan="3">22 - 8 AWG</td></tr><tr><td>0.25 - 4.0 mm²</td><td colspan="3">22 - 10 AWG</td></tr><tr><td>0.25 - 2.5 mm²</td><td colspan="3">22 - 12 AWG</td></tr><tr><td>0.25 - 2.5 mm²</td><td colspan="3">22 - 12 AWG</td></tr></table>				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		
IEC	UL - CSA																											
0.25 - 4.0 mm ²	22 - 10 AWG																											
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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	9 mm																											
Ratings As Per	IEC60947-7-1 IEC 60079-7 UL-1059 CSA22.2-158																											
Voltage	500 V	600 V	300 V																									
Current	32 A	35 A	25 A																									
Torque	0.5 Nm	7 lb-in	7 lb-in																									
Approvals																												
Insulation Material / Comparative Tracking Index	Polyamide 66 / 1																											
Diode	1N 4007																											
Diode Reverse Voltage / Current	1000 V / 1 A																											
	Type / Cat. No.		Standard Pack																									
Terminal Block	CDL4U(E)D1		100																									
	CDL4U(E)D2		100																									
End Plate	EPCDL4U		50																									
Spacer	CDL4USP		50																									
Mounting Rail (Refer Pg. 136 for details)	CA701		50 m																									
	CA701-15		50 m																									
	CA501		50 m																									
Permanent Shorting Links	CA703/1		Imax.: 32 A 100																									
	CA704/1		32 A 100																									
	CA705/1		32 A 100																									
	CA732/10		32 A 100																									
Short Sleeve & Screw for Quick permanent shorting	CA607/S/Q		100																									
Marking Tags (Refer Pg. 139 for details)	CA509/K2		100																									
Screw Driver	SCS0.6/3.5		Blade size: 0.6 x 3.5 mm 10																									

CDL4U(E)D3

(Diode circuit for reverse polarity protection)



6 x 55.5 mm

55.7 mm / 63.1 mm / 60.3 mm

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

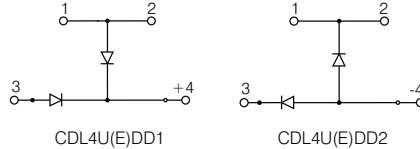
500 V	600 V	300 V
32 A	35 A	25 A
0.5 Nm	7 lb-in	7 lb-in



Polyamide 66 / 1

CDL4U(E)DD1 / DD2

(Diode circuit for lamp testing)



6 x 55.5 mm

55.7 mm / 63.1 mm / 60.3 mm

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

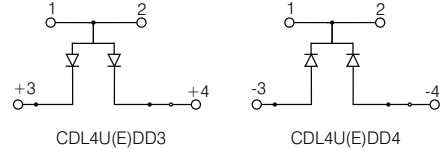
500 V	600 V	300 V
32 A	35 A	25 A
0.5 Nm	7 lb-in	7 lb-in



Polyamide 66 / 1

CDL4U(E)DD3 / DD4

(Diode circuit for lamp testing)



6 x 55.5 mm

55.7 mm / 63.1 mm / 60.3 mm

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

500 V	600 V	300 V
32 A	35 A	25 A
0.5 Nm	7 lb-in	7 lb-in



Polyamide 66 / 1

1N 4007

1000 V / 1 A

Type / Cat. No.	Standard Pack
CDL4U(E)DD1	100
CDL4U(E)DD2	100
EPCDL4U	50
CDL4USP	50
CA701	50 m
CA701-15	50 m
CA501	50 m
CA703/1	Imax.: 32 A 100
CA704/1	32 A 100
CA705/1	32 A 100
CA732/10	32 A 100
CA607/S/Q	100
CA509/K2	100
SCS0.6/3.5 Blade size: 0.6 x 3.5 mm	10

1N 4007

1000 V / 1 A

Type / Cat. No.	Standard Pack
CDL4U(E)D1	100
CDL4U(E)D2	100
EPCDL4U	50
CDL4USP	50
CA701	50 m
CA701-15	50 m
CA501	50 m
CA703/1	Imax.: 32 A 100
CA704/1	32 A 100
CA705/1	32 A 100
CA732/10	32 A 100
CA607/S/Q	100
CA509/K2	100
SCS0.6/3.5 Blade size: 0.6 x 3.5 mm	10

1N 4007

1000 V / 1 A

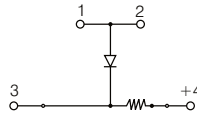
Type / Cat. No.	Standard Pack
CDL4U(E)DD3	100
CDL4U(E)DD4	100
EPCDL4U	50
CDL4USP	50
CA701	50 m
CA701-15	50 m
CA501	50 m
CA703/1	Imax.: 32 A 100
CA704/1	32 A 100
CA705/1	32 A 100
CA732/10	32 A 100
CA607/S/Q	100
CA509/K2	100
SCS0.6/3.5 Blade size: 0.6 x 3.5 mm	10

TERMINAL BLOCKS WITH ELECTRONIC COMPONENTS

Circuit Diagram

CDL4U(E)D4

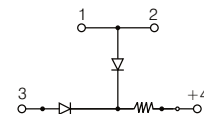
(Diode circuit for lamp testing with LED series resistance)



CDL4U(E)D4

CDL4U(E)DD5

(Diode circuit for lamp testing with LED series resistance)



CDL4U(E)DD5

Width (Thickness) x Length

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

Connection Possibility as per

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

Wire Stripping Length

Ratings As Per

Voltage

Current

Torque

Approvals

Insulation Material / Comparative Tracking Index

Terminal Voltage

Diode

Diode Reverse Voltage / Current

Terminal Block

End Plate

Spacer

Mounting Rail (Refer Pg. 136 for details)

Permanent
Shorting Links

2 pole
3 pole
4 pole
10 pole

Short Sleeve & Screw for
Quick permanent shorting

Marking Tags (Refer Pg. 139 for details)

Screw Driver

6 x 55.5 mm

55.7 mm / 63.1 mm / 60.3 mm

IEC

0.25 - 4.0 mm ²
0.25 - 6.0 mm ²
0.25 - 4.0 mm ²
0.25 - 2.5 mm ²
0.25 - 2.5 mm ²

UL - CSA

22 - 10 AWG
22 - 8 AWG
22 - 10 AWG
22 - 12 AWG
22 - 12 AWG

9 mm

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

500 V

32 A

0.5 Nm



Polyamide 66 / 1

12 V ~ / 24 V ~

1N 4007

1000 V / 1 A

Type / Cat. No.

Standard Pack

CDL4U(E)D4 12 V
CDL4U(E)D4 24 V

100
100

EPCDL4U

50

CDL4USP

50

CA701

50 m

CA701-15

50 m

CA501

50 m

CA703/1

I_{max.}: 32 A

100

CA704/1

32 A

100

CA705/1

32 A

100

CA732/10

32 A

100

CA607/S/Q

100

CA509/K2

100

SCS0.6/3.5

Blade size: 0.6 x 3.5 mm

10

6 x 55.5 mm

55.7 mm / 63.1 mm / 60.3 mm

IEC

0.25 - 4.0 mm ²
0.25 - 6.0 mm ²
0.25 - 4.0 mm ²
0.25 - 2.5 mm ²
0.25 - 2.5 mm ²

UL - CSA

22 - 10 AWG
22 - 8 AWG
22 - 10 AWG
22 - 12 AWG
22 - 12 AWG

9 mm

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

500 V

32 A

0.5 Nm



Polyamide 66 / 1

12 V ~ / 24 V ~

1N 4007

1000 V / 1 A

Type / Cat. No.

Standard Pack

CDL4U(E)DD5 12 V
CDL4U(E)DD5 24 V

100
100

EPCDL4U

50

CDL4USP

50

CA701

50 m

CA701-15

50 m

CA501

50 m

CA703/1

I_{max.}: 32 A

100

CA704/1

32 A

100

CA705/1

32 A

100

CA732/10

32 A

100

CA607/S/Q

100

CA509/K2

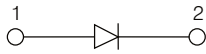
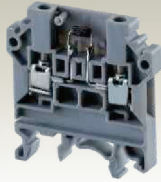
100

SCS0.6/3.5

Blade size: 0.6 x 3.5 mm

10

CKT4UD1



CKT4UD1

6 x 46.3 mm

48.3 mm / 56.0 mm / 54.5 mm

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

500 V 150 V 150 V

0.5 Nm 0.5 Nm 7 lb-in 7 lb-in

Polyamide 66 / 1

1N 4007

1000 V / 1 A

Type / Cat. No.	Standard Pack
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CKT4UD1 50

EPCKT4U	50
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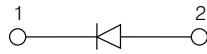
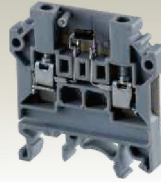
CA701	50 m
CA701-15	50 m
CA501	50 m

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CA509/K6 100

SCS0.6/3.5 Blade size: 0.6 x 3.5 mm 10

CKT4UD2



CKT4UD2

6 x 46.3 mm

48.3 mm / 56.0 mm / 54.5 mm

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

500 V 150 V 150 V

0.5 Nm 0.5 Nm 7 lb-in 7 lb-in

Polyamide 66 / 1

1N 4007

1000 V / 1 A

Type / Cat. No.	Standard Pack
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CKT4UD2 50

EPCKT4U	50
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CA701	50 m
CA701-15	50 m
CA501	50 m

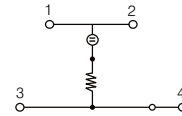
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CA509/K6 100

SCS0.6/3.5 Blade size: 0.6 x 3.5 mm 10

CDL4U(E)N1

(AC Voltage indicator with Neon lamp)



CDL4U(E)N1

6 x 55.5 mm

55.7 mm / 63.1 mm / 60.3 mm

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

500 V 600 V 300 V

32 A 35 A 25 A

0.5 Nm 7 lb-in 7 lb-in



Polyamide 66 / 1

110V ~ to 220V ~

Type / Cat. No.	Standard Pack
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CDL4U(E)N1 110V 100

CDL4U(E)N1 220V 100

EPCDL4U	50
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CDL4USP 50

CA701	50 m
CA701-15	50 m
CA501	50 m

CA703/1 I_{max.}: 32 A 100

CA704/1 32 A 100

CA705/1 32 A 100

CA732/10 32 A 100

CA607/S/Q	100
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CA509/K2 100

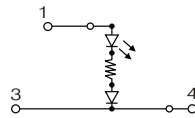
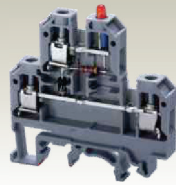
SCS0.6/3.5 Blade size: 0.6 x 3.5 mm 10

TERMINAL BLOCKS WITH ELECTRONIC COMPONENTS

Circuit Diagram

CDL4U(E)LD5

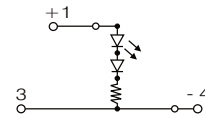
(AC Voltage indicator with LED)



CDL4U(E)LD5

CDL4U(E)LD3

(AC Voltage indicator with LED)



CDL4U(E)LD3

Width (Thickness) x Length

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

Connection Possibility as per

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

Wire Stripping Length

Ratings As Per

Voltage

Current

Torque

Approvals

Insulation Material / Comparative Tracking Index

Terminal Voltage

Diode

Diode Reverse Voltage / Current

Terminal Block

6 x 55.5 mm

55.7 mm / 63.1 mm / 60.3 mm

IEC

0.25 - 4.0 mm²0.25 - 6.0 mm²0.25 - 4.0 mm²0.25 - 2.5 mm²0.25 - 2.5 mm²

9 mm

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

500 V

32 A

0.5 Nm

UL US C-SP US CE

Polyamide 66 / 1

24 V ~, 48 V ~, 110 V ~, 220 V ~

1N 4007

1000 V / 1 A

Type / Cat. No.

CDL4U(E)LD5 24 V

CDL4U(E)LD5 48 V

CDL4U(E)LD5 110 V

CDL4U(E)LD5 220 V

Standard Pack

100

100

100

100

6 x 55.5 mm

55.7 mm / 63.1 mm / 60.3 mm

IEC

0.25 - 4.0 mm²0.25 - 6.0 mm²0.25 - 4.0 mm²0.25 - 2.5 mm²0.25 - 2.5 mm²

9 mm

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

500 V

32 A

0.5 Nm

UL US C-SP US CE

Polyamide 66 / 1

12 V ~, 24 V ~

1N 4007

1000 V / 1 A

Type / Cat. No.

CDL4U(E)LD3 12 V

CDL4U(E)LD3 24 V

Standard Pack

100

100

End Plate



Spacer



Mounting Rail (Refer Pg. 136 for details)

Permanent
Shorting Links2 pole
3 pole
4 pole
10 poleShort Sleeve & Screw for
Quick permanent shorting

Marking Tags (Refer Pg. 139 for details)



Screw Driver



EPCDL4U

CDL4USP

CA701

CA701-15

CA501

CA703/1

CA704/1

CA705/1

CA732/10

CA607/S/Q

CA509/K2

SCS0.6/3.5

Imax.: 32 A

32 A

32 A

32 A

32 A

100

100

100

100

100

100

10

Blade size: 0.6 x 3.5 mm

EPCDL4U

CDL4USP

CA701

CA701-15

CA501

CA703/1

CA704/1

CA705/1

CA732/10

CA607/S/Q

CA509/K2

SCS0.6/3.5

Imax.: 32 A

32 A

32 A

32 A

32 A

100

100

100

100

100

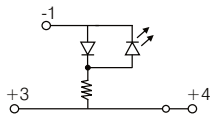
100

10

Blade size: 0.6 x 3.5 mm

CDL4U(E)LD4

(AC Voltage indicator with LED)



CDL4U(E)LD4

6 x 55.5 mm

55.7 mm / 63.1 mm / 60.3 mm

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

500 V	600 V	300 V
32 A	35 A	25 A
0.5 Nm	7 lb-in	7 lb-in



Polyamide 66 / 1

24 V ~ , 48 V ~

1N 4007

1000 V / 1 A

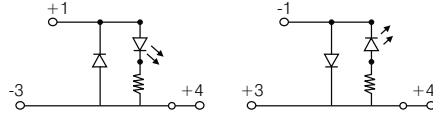
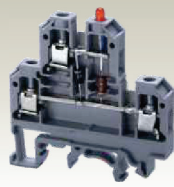
Type / Cat. No.	Standard Pack
CDL4U(E)LD4 24 V	100
CDL4U(E)LD4 48 V	100

EPCDL4U	50
CDL4USP	50
CA701	50 m
CA701-15	50 m
CA501	50 m
CA703/1	Imax.: 32 A 100
CA704/1	32 A 100
CA705/1	32 A 100
CA732/10	32 A 100

CA607/S/Q	100
CA509/K2	100
SCS0.6/3.5 Blade size: 0.6 x 3.5 mm	10

CDL4U(E)LD1 / LD2

(DC Voltage indicator with LED)



CDL4U(E)LD1

CDL4U(E)LD2

6 x 55.5 mm

55.7 mm / 63.1 mm / 60.3 mm

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

500 V	600 V	300 V
32 A	35 A	25 A
0.5 Nm	7 lb-in	7 lb-in



Polyamide 66 / 1

24V -

1N 4007

1000 V / 1 A

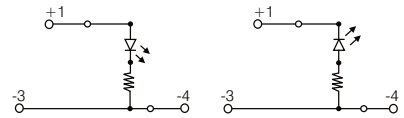
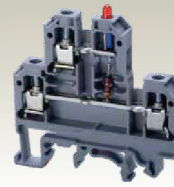
Type / Cat. No.	Standard Pack
CDL4U(E)LD1 24 V	100
CDL4U(E)LD2 24 V	100

EPCDL4U	50
CDL4USP	50
CA701	50 m
CA701-15	50 m
CA501	50 m
CA703/1	Imax.: 32 A 100
CA704/1	32 A 100
CA705/1	32 A 100
CA732/10	32 A 100

CA607/S/Q	100
CA509/K2	100
SCS0.6/3.5 Blade size: 0.6 x 3.5 mm	10

CDL4U(E)L1 / L2

(DC Voltage indicator with LED)



CDL4U(E)L1

CDL4U(E)L2

6 x 55.5 mm

55.7 mm / 63.1 mm / 60.3 mm

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

500 V	600 V	300 V
32 A	35 A	25 A
0.5 Nm	7 lb-in	7 lb-in



Polyamide 66 / 1

6 V - , 24 V - , 60 V

1N 4007

1000 V / 1 A

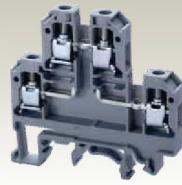
Type / Cat. No.	Standard Pack
CDL4U(E)L1 6 V	100
CDL4U(E)L1 24 V	100
CDL4U(E)L1 60 V	100
CDL4U(E)L2 6 V	100
CDL4U(E)L2 24 V	100
CDL4U(E)L2 60 V	100

EPCDL4U	50
CDL4USP	50
CA701	50 m
CA701-15	50 m
CA501	50 m
CA703/1	Imax.: 32 A 100
CA704/1	32 A 100
CA705/1	32 A 100
CA732/10	32 A 100

CA607/S/Q	100
CA509/K2	100
SCS0.6/3.5 Blade size: 0.6 x 3.5 mm	10

TERMINAL BLOCKS WITH ELECTRONIC COMPONENTS

CDL4U(O)



CDL4U(O)

Circuit Diagram

Width (Thickness) x Length	6 x 55.5 mm			
Height with DIN 35 x 7.5 / 35 x 15 / 32 x 15 mm Rail	55.7 mm / 63.1 mm / 60.3 mm			
Connection Possibility as per	IEC		UL - CSA	
With 1 Conductor per clamp	Stranded / Flexible		22 - 10 AWG	
	Solid		22 - 8 AWG	
	with Ferrule / Lug		22 - 10 AWG	
With 2 same size Conductors per clamp	Stranded / Flexible		22 - 12 AWG	
	with TWIN Ferrule / Lug		22 - 12 AWG	
Wire Stripping Length	9 mm			
Ratings As Per	IEC60947-7-1	IEC 60079-7	UL-1059	CSA22.2-158
Voltage	500 V		600 V	300 V
Current	32 A		35 A	25 A
Torque	0.5 Nm		7 lb-in	7 lb-in
Approvals	  			
Insulation Material / Comparative Tracking Index	Polyamide 66 / 1			

Type / Cat. No.		Standard Pack
Terminal Block	CDL4U(O)	100
End Plate	EPCDL4U	50
Spacer	CDL4USP	50
Mounting Rail (Refer Pg. 136 for details)	CA701	50 m
	CA701-15	50 m
	CA501	50 m
	CA703/1	Imax.: 32 A 100
Permanent Shorting Links	CA704/1	32 A 100
	CA705/1	32 A 100
	CA732/10	32 A 100
	CA607/S/Q	100
Short Sleeve & Screw for Quick permanent shorting	CA509/K2	100
Marking Tags (Refer Pg. 139 for details)	SCS0.6/3.5	Blade size: 0.6 x 3.5 mm 10
Screw Driver		