

HIGHLIGHTS

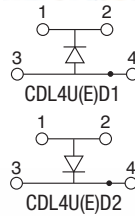
FEATURES

- Various configurations of Electronic components soldered into **CDL4U** double level terminal block
- Various Diode / Resistor combinations
- 4 connection points for convenient wiring
- Terminal Block with open current bar **CDL4U(O)** can be individually soldered with electronic components
- Spacer **CDL4USP** can be used to cover overlapping components when soldered individually

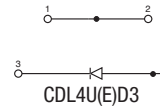
APPLICATIONS

- Reverse polarity protection
- Lamp testing

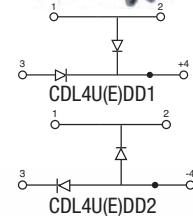
CDL4U(E)D1/D2



CDL4U(E)D3



CDL4U(E)DD1/DD2



Arc Suppression circuit diode for contactors and solenoid valves

Diode reverse polarity protection

Diode circuit for lamp testing

Dimensions & Weight

Width	6 mm	6 mm	6 mm
Length	55.5 mm	55.5 mm	55.5 mm
Height w DIN Rail	35 x 7.5 mm 35 x 15 mm	55.7 mm 63.1 mm	55.7 mm 63.1 mm
Weight per piece	13.6 g	13.4 g	13.4 g

Technical Data/Ratings

Approvals	 	 E220514	 US	 60947-7-1	 E220514	 US	 60947-7-1	 E220514	 US	 60947-7-1			
Wire Size (solid / stranded)	22-10 AWG			0.2-4 mm ²	22-10 AWG			0.2-4 mm ²	22-10 AWG			0.2-4 mm ²	
Voltage Rating	600 V			300 V	600 V			300 V	600 V			300 V	500 V AC
Current Rating	35 A			25 A	35 A			25 A	35 A			25 A	32 A
Torque	7 lb-in			0.5 Nm	7 lb-in			0.5 Nm	7 lb-in			0.5 Nm	
Insulation Material	Polyamide 66												

Electronic Component Specifications

Diode Type	1N 4007	1N 4007	1N 4007
Diode Reverse Voltage / Current	1000 V / 1 A	1000 V / 1 A	1000 V / 1 A
Indicator Voltage	-	-	-

Installation Instructions

Wire Stripping Length	9 mm	9 mm	9 mm
Screwdriver	Flat Head 0.6 x 3.5 mm	Flat Head 0.6 x 3.5 mm	Flat Head 0.6 x 3.5 mm

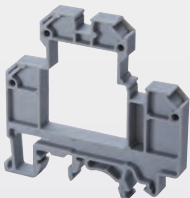
Terminal Blocks

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Grey	CDL4U(E)D1	100	CDL4U(E)D3	100	CDL4U(E)DD1	100
	CDL4U(E)D2	100			CDL4U(E)DD2	100

Accessories

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
End Plate	EPCDL4U	50	EPCDL4U	50	EPCDL4U	50
Spacer	CDL4USP	50	CDL4USP	50	CDL4USP	50
DIN Rail	2511120	20	2511120	20	2511120	20
	CA701-15/S	20	CA701-15/S	20	CA701-15/S	20
	2511160	10	2511160	10	2511160	10
End Stop	CA702	50	CA702	50	CA702	50
	CA802	50	CA802	50	CA802	50
Internal Jumper	2 pole	100	2 pole	100	2 pole	100
	3 pole	100	3 pole	100	3 pole	100
	4 pole	100	4 pole	100	4 pole	100
	10 pole	10	10 pole	10	10 pole	10
Marking Tag	MT2	1 Pk. (100 tags)	MT2	1 Pk. (100 tags)	MT2	1 Pk. (100 tags)

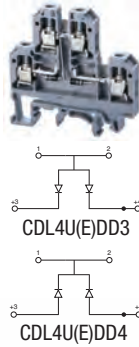
CDL4U SPACER



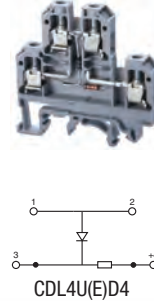
Spacer to cover electronic components which stick out of CDL4U(O)

Cat. No.	Std. Pk.
CDL4USP	50

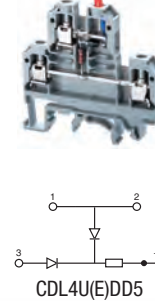
CDL4U(E)DD3/DD4



CDL4U(E)D4



CDL4U(E)DD5



Dimensions & Weight

Width	6 mm	Diode circuit for lamp testing
Length	55.5 mm	Diode circuit for lamp testing with LED series resistance
Height w DIN Rail	55.7 mm 63.1 mm	Diode circuit for lamp testing with LED series resistance
Weight per piece	13.6 g	

Technical Data/Ratings

Approvals	CE, IEC, E220514	US, 60947-7-1	IEC, E220514	US, 60947-7-1	IEC, E220514	US, 60947-7-1
Wire Size (solid / stranded)	22-10 AWG	0.2-4 mm ²	22-10 AWG	0.2-4 mm ²	22-10 AWG	0.2-4 mm ²
Voltage Rating	600 V	300 V	500 V AC	600 V	300 V	500 V AC
Current Rating	35 A	25 A	32 A	35 A	25 A	32 A
Torque	7 lb-in	0.5 Nm	7 lb-in	0.5 Nm	7 lb-in	0.5 Nm
Insulation Material	Polyamide 66					

Electronic Component Specifications

Diode Type	1N 4007	1N 4007	1N 4007
Diode Reverse Voltage / Current	1000 V / 1 A	1000 V / 1 A	1000 V / 1 A
Indicator Voltage	-	-	-

Installation Instructions

Wire Stripping Length	9 mm	9 mm	9 mm
Screwdriver	Flat Head 0.6 x 3.5 mm	Flat Head 0.6 x 3.5 mm	Flat Head 0.6 x 3.5 mm

Terminal Blocks

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Grey	CDL4U(E)DD3	100	CDL4U(E)D4/12V	100	CDL4U(E)DD5/12V	100
	CDL4U(E)DD4	100	CDL4U(E)D4/24V	100	CDL4U(E)DD5/24V	100

Accessories

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
End Plate	EPCDL4U	50	EPCDL4U	50	EPCDL4U	50
Spacer	CDL4USP	50	CDL4USP	50	CDL4USP	50
DIN Rail	2511120	20	2511120	20	2511120	20
	CA701-15/S	20	CA701-15/S	20	CA701-15/S	20
	2511160	10	2511160	10	2511160	10
End Stop	CA702	50	CA702	50	CA702	50
	CA802	50	CA802	50	CA802	50
Internal Jumper	CA727/2	100	CA727/2	100	CA727/2	100
	CA727/3	100	CA727/3	100	CA727/3	100
	CA727/4	100	CA727/4	100	CA727/4	100
	CA727/10	10	CA727/10	10	CA727/10	10
Marking Tag	MT2	1 Pk. (100 tags)	MT2	1 Pk. (100 tags)	MT2	1 Pk. (100 tags)

HIGHLIGHTS

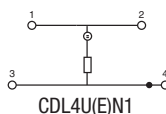
FEATURES

- Various configurations of Electronic components soldered into **CDL4U** double level terminal block
- Various Indicator options
- AC voltage indicator
- DC voltage indicator
- LED and Neon lamp versions
- 4 connection points for convenient wiring
- Terminal Block with open current bar **CDL4U(O)** can be individually soldered with electronic components
- Spacer **CDL4USP** can be used to cover overlapping components when soldered individually

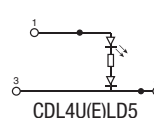
APPLICATIONS

- AC voltage indication
- DC voltage indication

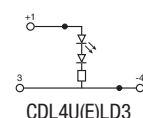
CDL4U(E)N1



CDL4U(E)LD5



CDL4U(E)LD3



Dimensions & Weight

	AC Voltage indicator with Neon lamp	AC Voltage indicator with LED	AC Voltage indicator with LED
Width	6 mm	6 mm	6 mm
Length	55.5 mm	55.5 mm	55.5 mm
Height w DIN Rail	55.7 mm 63.1 mm	55.7 mm 63.1 mm	55.7 mm 63.1 mm
Weight per piece	13.6 g	12.4 g	12.4 g

Technical Data/Ratings

Approvals	 	 E220514	 60947-7-1		 E220514	 60947-7-1		 E220514	 60947-7-1	
Wire Size (solid / stranded)		22-10 AWG	0.2-4 mm ²		22-10 AWG	0.2-4 mm ²		22-10 AWG	0.2-4 mm ²	
Voltage Rating		600 V	300 V	500 V AC	600 V	300 V	500 V AC	600 V	300 V	500 V AC
Current Rating		35 A	25 A	32 A	35 A	25 A	32 A	35 A	25 A	32 A
Torque		7 lb-in		0.5 Nm	7 lb-in		0.5 Nm	7 lb-in		0.5 Nm
Insulation Material		Polyamide 66			Polyamide 66			Polyamide 66		

Electronic Component Specifications

Diode Type	1N 4007	1N 4007	1N 4007
Diode Reverse Voltage / Current	1000 V / 1 A	1000 V / 1 A	1000 V / 1 A
Indicator Voltage	110, 220 VAC	24, 48, 110, 220 VAC	12, 24 VAC

Installation Instructions

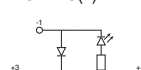
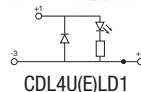
Wire Stripping Length	9 mm	9 mm	9 mm
Screwdriver	Flat Head 0.6 x 3.5 mm	Flat Head 0.6 x 3.5 mm	Flat Head 0.6 x 3.5 mm

Terminal Blocks

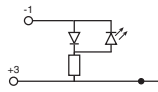
	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Grey	CDL4U(E)N1/110V	100	CDL4U(E)LD5/24V	100	CDL4U(E)LD3/12V	100
	CDL4U(E)N1/220V	100	CDL4U(E)LD5/48V	100	CDL4U(E)LD3/24V	100
			CDL4U(E)LD5/110V	100		
			CDL4U(E)LD5/220V	100		

Accessories

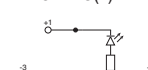
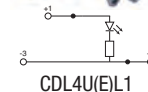
	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
End Plate	EPCDL4U	50	EPCDL4U	50	EPCDL4U	50
Spacer	CDL4USP	50	CDL4USP	50	CDL4USP	50
DIN Rail	2511120	20	2511120	20	2511120	20
	CA701-15/S	20	CA701-15/S	20	CA701-15/S	20
	2511160	10	2511160	10	2511160	10
End Stop	CA702	50	CA702	50	CA702	50
	CA802	50	CA802	50	CA802	50
Internal Jumper	2 pole	100	CA727/2	100	CA727/2	100
	3 pole	100	CA727/3	100	CA727/3	100
	4 pole	100	CA727/4	100	CA727/4	100
	10 pole	10	CA727/10	10	CA727/10	10
Marking Tag	MT2	1 Pk. (100 tags)	MT2	1 Pk. (100 tags)	MT2	1 Pk. (100 tags)

CDL4U(E)LD1/LD2


CDL4U(E)LD1
CDL4U(E)LD2

CDL4U(E)LD4


CDL4U(E)LD4

CDL4U(E)L1/L2


CDL4U(E)L1
CDL4U(E)L2

CDL4U(O)


CDL4U(O)

DC Voltage Indicator with LED

AC Voltage indicator with LED

DC Voltage Indicator with LED

Terminal Block with open current to solder custom components

Dimensions & Weight

Width	6 mm	6 mm	6 mm	6 mm
Length	55.5 mm	55.5 mm	55.5 mm	55.5 mm
Height w/ DIN Rail	35 x 7.5 mm 35 x 15 mm	55.7 mm 63.1 mm	55.7 mm 63.1 mm	55.7 mm 63.1 mm
Weight per piece	12.4 g	12.4 g	12.4 g	13.0 g

Technical Data/Ratings

Approvals	CE E220514	CS E220514	IEC 60947-7-1	CE E220514	CS E220514	IEC 60947-7-1	CE E220514	CS E220514	IEC 60947-7-1
Wire Size (solid / stranded)	22-10 AWG	0.2-4 mm ²	22-10 AWG	0.2-4 mm ²	22-10 AWG	0.2-4 mm ²	22-10 AWG	0.2-4 mm ²	0.2-4 mm ²
Voltage Rating	600 V	300 V	500 V AC	600 V	300 V	500 V AC	600 V	300 V	500 V AC
Current Rating	35 A	25 A	32 A	35 A	25 A	32 A	35 A	25 A	32 A
Torque	7 lb-in	0.5 Nm	7 lb-in	0.5 Nm	7 lb-in	0.5 Nm	7 lb-in	0.5 Nm	0.5 Nm
Insulation Material	Polyamide 66			Polyamide 66			Polyamide 66		

Electronic Component Specifications

Diode Type	1N 4007	1N 4007	1N 4007	1N 4007
Diode Reverse Voltage / Current	1000 V / 1 A	1000 V / 1 A	1000 V / 1 A	1000 V / 1 A
Indicator Voltage	12, 24 VAC	24, 48 VAC	6, 24 VAC	-

Installation Instructions

Wire Stripping Length	9 mm	9 mm	9 mm	9 mm
Screwdriver	Flat Head 0.6 x 3.5 mm	Flat Head 0.6 x 3.5 mm	Flat Head 0.6 x 3.5 mm	Flat Head 0.6 x 3.5 mm

Terminal Blocks

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Grey	CDL4U(E)LD1/12V	100	CDL4U(E)LD4/24V	100	CDL4U(E)L1/6V	100	CDL4U(O)	100
	CDL4U(E)LD1/24V	100	CDL4U(E)LD4/48V	100	CDL4U(E)L1/24V	100		
	CDL4U(E)LD2/12V	100			CDL4U(E)L2/6V	100		
	CDL4U(E)LD2/24V	100			CDL4U(E)L2/24V	100		

Accessories

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
End Plate	EPCDL4U	50	EPCDL4U	50	EPCDL4U	50	EPCDL4U	50
Spacer	CDL4USP	50	CDL4USP	50	CDL4USP	50	CDL4USP	50
DIN Rail	2511120	20	2511120	20	2511120	20	2511120	20
	CA701-15/S	20	CA701-15/S	20	CA701-15/S	20	CA701-15/S	20
	2511160	10	2511160	10	2511160	10	2511160	10
End Stop	CA702	50	CA702	50	CA702	50	CA702	50
	CA802	50	CA802	50	CA802	50	CA802	50
Internal Jumper	CA727/2	100	CA727/2	100	CA727/2	100	CA727/2	100
	CA727/3	100	CA727/3	100	CA727/3	100	CA727/3	100
	CA727/4	100	CA727/4	100	CA727/4	100	CA727/4	100
	CA727/10	10	CA727/10	10	CA727/10	10	CA727/10	10
Marking Tag	MT2	1 Pk. (100 tags)	MT2	1 Pk. (100 tags)	MT2	1 Pk. (100 tags)	MT2	1 Pk. (100 tags)

HIGHLIGHTS

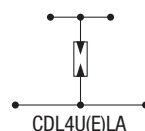
FEATURES

- Various solutions to protect single lines against surges
- Lightning Arrestors (CDL4U(E)LA)
- MOVs (CDL4U(E)MOV)
- RC Circuits (CDL4U(E)RC)
- Suppressor Diode (CDL4U(E)SD)

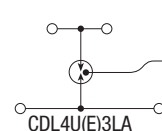
APPLICATIONS

- Surge suppressor applications
- Equipment protection

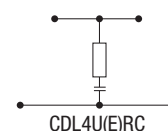
CDL4U(E)LA



CDL4U(E)3LA



CDL4U(E)RC



Dimensions & Weight

Width	18 mm	18 mm	18 mm
Length	55.5 mm	55.5 mm	55.5 mm
Height w DIN Rail	35 x 7.5 mm 35 x 15 mm	55.7 mm 63.1 mm	55.7 mm 63.1 mm
Weight per piece	30.0 g	34.2 g	22.4 g

Technical Data/Ratings / Component Specifications

Wire Size (solid / stranded)	22-10 AWG	22-10 AWG	22-10 AWG
Insulation Material	Polyamide 66	Polyamide 66	Polyamide 66
Nominal Current	10 A	5 A	-
Peak Current	-	-	2kA-6.5kA (8/20μs)
Nominal Discharge Current	20 KA (8/20μs)	10 KA (8/20μs)	-
Response Time	100 ns	100 ns	< 25 ns
Capacitance	< 1.5 pf	< 1.0 pf	100 - 20,000 pf
Voltage Rating	75, 90, 230, 600, 1000 V DC	90, 230, 350, 600 V DC	30, 60, 75, 130, 275, 460, 510, 625, 680 V AC

Installation Instructions

Wire Stripping Length	9 mm	9 mm	9 mm
Screwdriver	Flat Head 0.6 x 3.5 mm	Flat Head 0.6 x 3.5 mm	Flat Head 0.6 x 3.5 mm

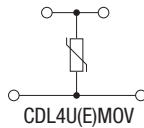
Terminal Blocks

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
Grey	CDL4U(E)LA/75V	20	CDL4U(E)3LA/90V	20	0.1 μF	
	CDL4U(E)LA/90V	20	CDL4U(E)3LA/230V	20	CDL4U(E)RC0.1	10
	CDL4U(E)LA/230V	20	CDL4U(E)3LA/350V	20	0.22 μF	
	CDL4U(E)LA/600V	20	CDL4U(E)3LA/600V	20	CDL4U(E)RC0.22	10
	CDL4U(E)LA/1000V	20				

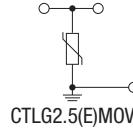
Accessories

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
End Plate	EPCDL4U	50	EPCDL4U	50	EPCDL4U	50
Spacer	CDL4USP	50	CDL4USP	50	CDL4USP	50
DIN Rail	2511120	20	2511120	20	2511120	20
	CA701-15/S	20	CA701-15/S	20	CA701-15/S	20
	2511160	10	2511160	10	2511160	10
End Stop	CA702	50	CA702	50	CA702	50
	CA802	50	CA802	50	CA802	50
Marking Tag	MT2	1 Pk. (100 tags)	MT2	1 Pk. (100 tags)	MT2	1 Pk. (100 tags)

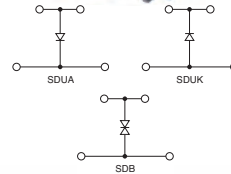
CDL4U(E)MOV



CTLG2.5(E)MOV



CDL4U(E)SD



Dimensions & Weight

Width	12 mm	6 mm	12 mm
Length	55.5 mm	87.5 mm	55.5 mm
Height w/ DIN Rail	35 x 7.5 mm 35 x 15 mm	55.7 mm 63.1 mm	55.7 mm 63.1 mm
Weight per piece	19.2 g	14.8 g	18.0 g

Technical Data/Ratings / Component Specifications

Wire Size (solid / stranded)	22-10 AWG	22-10 AWG	22-10 AWG
Insulation Material	Polyamide 66	Polyamide 66	Polyamide 66
Nominal Current	-	5 A	-
Peak Current	2kA-6.5kA (8/20μs)	2kA-6.5kA (8/20μs)	-
Nominal Discharge Current	-	10 KA (8/20μs)	1.5 KA
Response Time	< 25 ns	< 25 ns	1 ns (D.C) / 5 ns (A.C)
Capacitance	100 - 20,000 pf	100 - 20,000 pf	-
Voltage Rating	30, 60, 75, 130, 275, 460, 510, 625, 680 V AC	Up to 275V	30, 60, 75, 130, 275, 460, 510, 625, 680 V AC

Installation Instructions

Wire Stripping Length	9 mm	9 mm	9 mm
Screwdriver	Flat Head 0.6 x 3.5 mm	Flat Head 0.6 x 3.5 mm	Flat Head 0.6 x 3.5 mm

Terminal Blocks

Grey		CDL4U(E)MOV30V	20	CTLG2.5(E)MOV30V	20	DC - Anode	
		CDL4U(E)MOV60V	20	CTLG2.5(E)MOV60V	20	CDL4U(E)SDUA12VDC	20
		CDL4U(E)MOV75V	20	CTLG2.5(E)MOV75V	20	CDL4U(E)SDUA24VDC	20
		CDL4U(E)MOV130V	20	CTLG2.5(E)MOV130V	20	CDL4U(E)SDUA48VDC	20
		CDL4U(E)MOV275V	20	CTLG2.5(E)MOV275V	20	DC - Cathode	
		CDL4U(E)MOV460V	20			CDL4U(E)SDUK12VDC	20
		CDL4U(E)MOV510V	20			CDL4U(E)SDUK24VDC	20
		CDL4U(E)MOV625V	20			CDL4U(E)SDUK48VDC	20
		CDL4U(E)MOV680V	20			AC	
						CDL4U(E)SDB12VAC	
					CDL4U(E)SDB24VAC		
					CDL4U(E)SDB48VAC		
					CDL4U(E)SDB160VAC		

Accessories

	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.	Cat. No.	Std. Pk.
End Plate	EPCDL4U	50	EPCTLG2.5	50	EPCDL4U	50
Spacer	CDL4USP	50	-	-	CDL4USP	50
DIN Rail	2511120	20	2511120	20	2511120	20
	CA701-15/S	20	CA701-15/S	20	CA701-15/S	20
	2511160	10	2511160	10	2511160	10
End Stop	CA702	50	CA702	50	CA702	50
	CA802	50	CA802	50	CA802	50
Marking Tag	MT2	1 Pk. (100 tags)	MT2	1 Pk. (100 tags)	MT2	1 Pk. (100 tags)

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