

Active Terminal Blocks

The active terminals blocks are with built-in electronic components for surge protection. These terminals are used in applications where circuit protection against transient over voltage is required.

The terminals are designed to protect a single line against longitudinal (line / earth) surges, thereby protecting the distribution.

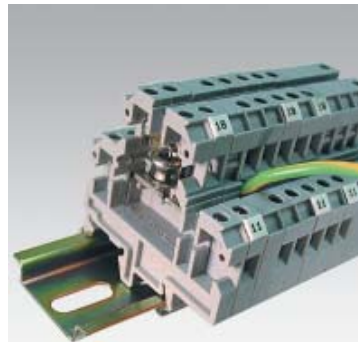
DBL4UERES - Single changeover relay terminal is used for switching loads in PLC application.

Note :

- DBL4UESDU - For DC applications.
- DBL4UESDB - For AC applications.
A - Anode
K - Cathode
- SDUX - 48 V , 3.2 A, 400 V AC is available in SDUB type at current rating 4A.

DBL4USP - spacer can be used for covering custom electronic components, which may protrude outside the DBL4UO terminal block.

Please refer for terminals with custom specified surge suppression requirement.







DBL4UELA

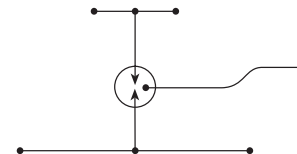
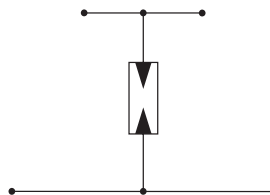


DBL4UE3LA



Terminal Pitch	12 mm			12 mm		
Height x Width	54 x 55.5 mm			54 x 55.5 mm		
Stripping Length	9 mm			9 mm		
Insulation Material	Polyamide 6.6			Polyamide 6.6		
Type of Connection	4 Screw Clamps			4 Screw Clamps		
Wire Range	0.5 - 4 sq.mm / 22-10 AWG			0.5 - 4 sq.mm / 22-10 AWG		
Voltage Rating	75 V, 90 V, 240 V, 600 V, 1000 V DC			90 V, 250 V, 350 V, 450 V DC		
Impulse Discharge Current	20 KA (8/20 μ s)			10 KA (8/20 μ s)		
Alternating Discharge Current at 50 Hz	20 A			10 A		
Response Time	100 ns			100 ns		
Normal Current	10 A			5 A		
Capacitance	< 1.5 pF			< 1.0 pF		
Terminal Block [Prefix DBL4UE to Type Cat.No]	Type Cat No.	Std. Packing in Nos.	Wt Per unit in Grams	Type Cat No.	Std. Packing in Nos.	Wt Per unit in Grams
	LA 75 V -	20	32	3LA 90 V -	20	32
	LA 90 V -	20	32	3LA 250 V -	20	32
	LA 240 V -	20	32	3LA 350 V -	20	32
	LA 600 V -	20	32	3LA 450 V -	20	32
	LA 1000 V -	20	32			

End Plate		EPDBL4U	50	2.5	EPDBL4U	50	2.5
Spacer for terminal		DBL4USP	50		DBL4USP	50	
Mounting Rail		DIN 32G	50 M	750	DIN 32G	50 M	750
		DIN 35U	50 M	360	DIN 35U	50 M	360
		DIN 35-15D	50 M	700	DIN 35-15D	50 M	700
End Clamp		ES2N	50	7.4	ES2N	50	7.4
		ES3N	50	4.5	ES3N	50	4.5
Marking Tags (K Type)		KM/2	100	0.02	KM/2	100	0.02



DBL4UEMOV



DBL4UESD



DBL4UERC



DBL4UERES



12 mm	12 mm	12 mm	32.5 mm
54 x 55.5 mm	54 x 55.5 mm	54 x 55.5 mm	54 x 55.5 mm
9 mm	9 mm	9 mm	9 mm
Polyamide 6.6	Polyamide 6.6	Polyamide 6.6	Polyamide 6.6
4 Screw Clamps	4 Screw Clamps	4 Screw Clamps	4 Screw Clamps & 1C Relay, 10 A
0.5 - 4 sq.mm / 22-10 AWG	0.5 - 4 sq.mm / 22-10 AWG	0.5 - 4 sq.mm / 22-10 AWG	0.5 - 4 sq.mm / 22-10 AWG
30 V, 60 V, 75 V, 130 V, 275 V, 460 V, 510 V, 625 V, 680 V	12 V to 48 V - / 12 V to 160 V ~	250 V ~ / 630 V -	12 V, 18 V, 24 V, 48 V D.C (Coil Voltage)
2 KA - 6.5 KA (8/20 μ s)	1.5 KW	20 A	
< 25 ns	1 ns (D.C) / 5 ns (A.C)		8 ms
10 A	10 A	10 A	5 A - 230 V ~ / 24 V - 10 A - 120 V ~ / 12 V -

Type Cat No.	Std. Packing in Nos.	Wt Per unit in Grams	Type Cat No.	Std. Packing in Nos.	Wt Per unit in Grams	Type Cat No.	Std. Packing in Nos.	Wt Per unit in Grams	Type Cat No.	Std. Packing in Nos.	Wt Per unit in Grams
MOV 30 V ~	20	35	SDUA15V	20	35	RC 0.1 μ f	10	60	RES12 V -	10	60
MOV 60 V ~	20	35	SDUA24V	20	35	RC 0.22 μ f	10	60	RES18 V -	10	60
MOV 75 V ~	20	35	SDUA48V	20	35				RES24 V -	10	60
MOV 130 V ~	20	35	SDUK15V	20	35				RES48 V -	10	60
MOV 275 V ~	20	35	SDUK24V	20	35						
MOV 460 V ~	20	35	SDUK48V	20	35						
MOV 510 V ~	20	35	SDB15V	20	35						
MOV 625 V ~	20	35	SDB24V	20	35						
MOV 680 V ~	20	35	SDB48V	20	35						
			SDB160V	20	35						
EPDBL4U	50	2.5	EPDBL4U	50	2.5	EPDBL4U	50	2.5	EPDBL4U	50	2.5
DBL4USP	50		DBL4USP	50		DBL4USP	50		DBL4USP	50	
DIN 32G	50 M	750	DIN 32G	50 M	750	DIN 32G	50 M	750	DIN 32G	50 M	750
DIN 35U	50 M	360	DIN 35U	50 M	360	DIN 35U	50 M	360	DIN 35U	50 M	360
DIN 35-15D	50 M	700	DIN 35-15D	50 M	700	DIN 35-15D	50 M	700	DIN 35-15D	50 M	700
ES2N	50	7.4	ES2N	50	7.4	ES2N	50	7.4	ES2N	50	7.4
ES3N	50	4.5	ES3N	50	4.5	ES3N	50	4.5	ES3N	50	4.5
KM/2	100	0.02	KM/2	100	0.02	KM/2	100	0.02	KM/2	100	0.02

