

**elmex** offers a wide variety of Power/Bus-bar/High-Current terminals suitable for all types of cables (solid, stranded, with fork type and ring-type lugs) both in Polyamide 6.6 and Melamine housings.

In the Feed Through range, terminal types KUT25, 35, 50 and 95, with respective rated currents 101, 125, 150 and 232 Amp are available for connecting solid and stranded conductors.

Power (Bus-Bar) Type terminal range covers DPBB50, 70 and 120, rated upto 269 Amp, for fork/ring type lugs, bolted to the current-bar of the terminal block.

As a variant of this type, **elmex** offers DPBC version in which one termination is in the form of screw clamp for solid/stranded conductors, while the other connection is by bolting to current bar for fork/ring type cable lugs.

Version DPCC is also available with screw-clamp, for both terminations, suitable for solid/stranded conductors.

Similarly in Melamine Housing, the Feed Through range offers CST 25, 35, 70 and 185 with rated currents of 101, 125, 192 and 405 Amp, which receive solid/stranded conductors.

Variants of this type are CST 70 BB/CST 70 BC and CST 185 BB/CST 185 BC which accept ring/fork lugs bolted to current bar for both terminations (type with 'BB') or with solid/stranded conductor for one termination and ring/fork lugs for the other (type with 'BC')

Power (Bus-Bar) terminals type CBT 110, 170, 250 and 300 with rated currents of 110, 170, 250, 300 Amp, suitable for cables with ring/fork type lugs are available in Melamine Housing. The lugs are bolted to current bars using standard spanners. In types CBT 110T upto 300T, the current bar is tapped and the fixing bolt has slotted head, which allows use of screwdriver for bolting. This is useful where space is a constraint.

## Protection and Safety

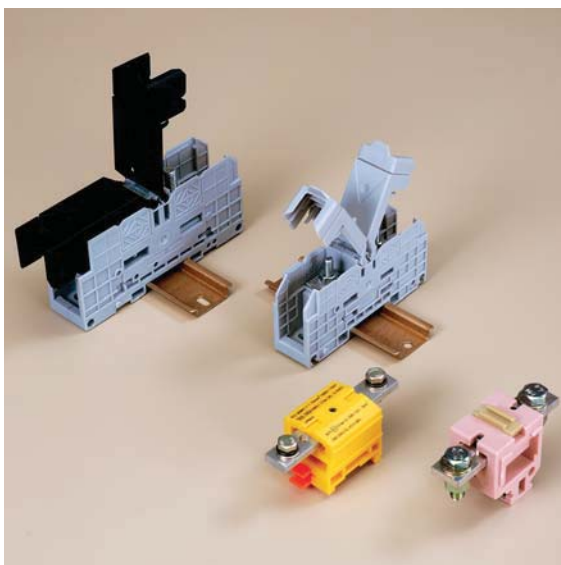
For increased creepage distance and safety against accidental contact, partition plates/barrier plates are assembled along with the terminal block. Protective transparent covers are assembled at the slots provided on the barrier plates. These provisions make the assemblies fully safe, while simultaneously offering open design of terminals for connecting fork/ring lugged cables.

## New Finger Safe Power Terminals

**elmex** offers a new design type SPT in which hinged covers are provided over the cable Termination points. Cables with fork or ring lugs are connected by nuts to the terminal after lifting hinged covers, which are closed after connection is completed. These are Finger-safe Terminals by design, not requiring covers or barrier plates, for safety/protection.

Their housing is Polyamide 6.6 and currently available with 35 sq mm and 70 sq mm connection capacity, and with rated currents of 140 Amp and 192 Amp respectively.

DESCRIPTION		KBT 100	DPBB 50				
TERMINAL PITCH		26.0 mm (1.02 in)	37 mm (1.47 Inch)				
HEIGHT x WIDTH in mm (Inch)		42.4 x 52 (1.66.0x2)	42 x 85 (1.65 x 3.35)				
RATED CROSS SECTION		35 sq mm	50 sq mm				
CONNECTION	Flexible	6 sq mm - 35 sq mm	10 sq mm - 50 sq mm				
POSSIBILITY	Rigid	6 sq mm - 35 sq mm	10 sq mm - 50 sq mm				
WIRE STRIPPING LENGTH		-	-				
TYPE OF CONNECTION		2 nut connection for ring/fork type lugs	2 Nut Bolts				
RATINGS	IEC 60947-7-1 	800 V/100 A/35 sq mm/1.5 Nm -	1000 V/150 A/50 sq mm/3 Nm Screw Driver 1000 V/130 A/1-6 AWG/30 Lbln				
SCREW SIZE		M6	M6				
TERMINAL TYPE	CAT #	STD. PKG.	WT/STD.PKG-KG	CAT #	STD. PKG.	WT/STD.PKG-KG	
BARRIER PLATE	KBT 100	50	2.70	DPBB50	10	0.94	
TRANSPARENT PROTECTIVE COVER	KPS 100 (End Plate)	20	0.29	BPN70	20	0.38	
END CLAMPS	PCK3	100	7.00	--	--	--	
MARKING LABEL	SCUSL	50	0.63	SCUSL	50	0.63	
	SCUDD	100	1.20	SCUDD	50	0.64	
GROUP MARKING CARRIER	Label KN 5.5	100 Strips	0.15	Label KN 10	100 Strips	0.15	
COLOUR:	SCKNMLH	50	0.55	SCKNMLH	50	0.55	
	SCUNMLH	50	0.60	SCUNMLH	50	0.60	
MOUNTING CHANNEL	KBT100 (G), KBT100 (K)	CHS 3/5/10	100/100/50	22/37/36	--	--	
	KBT100 (R), KBT100 (Y), KBT100 (B)	CHK 3/5/10	100/100/100	11/19/36	CHK 3/5/10	100/100/100	11/19/36
	KBT100 (BL), KBT100 (GR)	CHKS 3/5/10	100/100/100	11/17/34	CHKS 3/5/10	100/100/100	11/17/34
	CHKDS 10	50	34.50	CHKDS 10	50	34.50	



DPBC 50			DPCC 50			DPBB 70			DPBC 70			DPCC 70		
37 mm (1.47 Inch)			37 mm (1.47 Inch)			37 mm (1.47 Inch)			37 mm (1.47 Inch)			37 mm (1.47 Inch)		
74 x 85 (2.92 x 3.35)			74 x 85 (2.92 x 3.35)			42 x 90 (1.65 x 3.55)			74 x 90 (2.92 x 3.55)			74 x 90 (2.92 x 3.55)		
50 sq mm			50 sq mm			70 sq mm			70 sq mm			70 sq mm		
10 sq mm - 50 sq mm			10 sq mm - 50 sq mm			10 sq mm - 70 sq mm			10 sq mm - 70 sq mm			10 sq mm - 70 sq mm		
10 sq mm - 50 sq mm			10 sq mm - 50 sq mm			10 sq mm - 70 sq mm			10 sq mm - 70 sq mm			10 sq mm - 70 sq mm		
-			-			-			-			-		
1 Contact Clamp & 1 Nut Bolt			2 Contact Clamps			2 Nut Bolts			1 Contact Clamp & 1 Nut Bolt			2 Contact Clamps		
1000 V/150 A/50 sq mm/ 3.0/3.5 (6.0) Nm Screw Driver (Wrench)			1000 V/150 A/50 sq mm/6.0 Nm Wrench			1000 V/192 A/70 sq mm/3 Nm Screw Driver 1000 V/175 A/2/0-6 AWG/50 Lbln			1000 V/192 A/70 sq mm/ 3.0/3.5 (6.0) Nm Screw Driver (Wrench)			1000 V/192 A/70 sq mm/6.0 Nm Wrench		
M6			M6			M6			M6			M6		
CAT #	STD. PKG.	WT/STD.PKG-KG	CAT #	STD. PKG.	WT/STD.PKG-KG	CAT #	STD. PKG.	WT/STD.PKG-KG	CAT #	STD. PKG.	WT/STD.PKG-KG	CAT #	STD. PKG.	WT/STD.PKG-KG
DPBC 50	5	0.85	DPCC 50	5	1.05	DPBB 70	10	1.25	DPBC 70	5	1.03	DPCC 70	5	1.30
BPN70	20	0.38	BPN70	20	0.38	BPN70	20	0.38	BPN70	20	0.38	BPN70	20	0.38
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SCUSL	50	0.63	SCUSL	50	0.63	SCUSL	50	0.63	SCUSL	50	0.63	SCUSL	50	0.63
SCUDD	50	0.64	SCUDD	50	0.64	SCUDD	50	0.64	SCUDD	100	1.20	SCUDD	100	1.20
Label KN 10	100 Strips	0.15	Label KN 10	100 Strips	0.15	Label KN 10	100 Strips	0.15	Label KN 10	100 Strips	0.15	Label KN 10	100 Strips	0.15
SCKNMLH	50	0.55	SCKNMLH	50	0.55	SCKNMLH	50	0.55	SCKNMLH	50	0.55	SCKNMLH	50	0.55
SCUNMLH	50	0.60	SCUNMLH	50	0.60	SCUNMLH	50	0.60	SCUNMLH	50	0.60	SCUNMLH	50	0.60
DPBC50(G), DPBC50(K)			DPCC50(G), DPCC50(K)			DPBB70(G), DPBB70(K)			DPBC70(G), DPBC70(K)			DPCC70(G), DPCC70(K)		
DPBC50(R), DPBC50(Y), DPBC50(B)			DPCC50(R), DPCC50(Y), DPCC50(B)			DPBB70(R), DPBB70(Y), DPBB70(B)			DPBC70(R), DPBC70(Y), DPBC70(B)			DPCC70(R), DPCC70(Y), DPCC70(B)		
DPBC50(BL), DPBC50(GR)			DPCC50(BL), DPCC50(GR)			DPBB70(BL), DPBB70(GR)			DPBC70(BL), DPBC70(GR)			DPCC70(BL), DPCC70(GR)		
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CHK 3/5/10	100/100/100	11/19/36	CHK 3/5/10	100/100/100	11/19/36	CHK 3/5/10	100/100/100	11/19/36	CHK 3/5/10	100/100/100	11/19/36	CHK 3/5/10	100/100/100	11/19/36
CHKS 3/5/10	100/100/100	11/17/34	CHKS 3/5/10	100/100/100	11/17/34	CHKS 3/5/10	100/100/100	11/17/34	CHKS 3/5/10	100/100/100	11/17/34	CHKS 3/5/10	100/100/100	11/17/34
CHKDS 10	50	34.50	CHKDS 10	50	34.50	CHKDS 10	50	34.50	CHKDS 10	50	34.50	CHKDS 10	50	34.50



DESCRIPTION	DPBB 120	DPBC 120	DPCC 120	DPBB 185N
TERMINAL PITCH	37 mm (1.47 Inch)	37 mm (1.47 Inch)	37 mm (1.47 Inch)	53 mm (2.08 inch)
HEIGHT x WIDTH in mm (Inch)	44 x 100 (1.74 x 3.95)	86 x 100 (3.4 x 3.95)	86 x 100 (3.4 x 3.95)	55 x 115 (2.16 x 4.53)
RATED CROSS SECTION	120 sq mm	120 sq mm	120 sq mm	185 sq mm
CONNECTION Flexible	25 sq mm - 120 sq mm	25 sq mm - 120 sq mm	25 sq mm - 120 sq mm	70 sq mm - 185 sq mm
POSSIBILITY Rigid	25 sq mm - 120 sq mm	25 sq mm - 120 sq mm	25 sq mm - 120 sq mm	70 sq mm - 185 sq mm
WIRE STRIPPING LENGTH	-	-	-	-
TYPE OF CONNECTION	2 Nut Bolts	1 Contact Clamp & 1 Nut Bolt	2 Contact Clamps	2 Nut Bolts
RATINGS IEC 60947-7-1	1000 V/269 A/120 sq mm/6 Nm Screw Driver	1000 V/269 A/120 sq mm/	1000 V/269 A/120 sq mm/10 Nm Wrench	1000 V/353 A/185 sq mm /14 Nm
SCREW SIZE	M8	M8	M8	M12
TERMINAL TYPE	DPBB 120 10 1.18	DPBC 120 5 1.51	DPCC 120 5 1.80	DPBB 185N 5 2.00
BARRIER PLATE	BPNT20 20 0.45	BPNT20 20 0.45	BPNT20 20 0.45	BPNT185 20 0.75
TRANSPARENT PROTECTIVE COVER	-- -- --	-- -- --	-- -- --	-- -- --
END CLAMPS	SCUSL 50 0.63 SCUDD 100 1.20	SCUSL 50 0.63 SCUDD 100 1.20	SCUSL 50 0.63 SCUDD 50 0.64	SCUSL 50 0.63 SCUDD 100 1.20
MARKING LABEL	Label KN 10 100 Strips 0.15	Label KN 10 100 Strips 0.15	Label KN 10 100 Strips 0.15	Label KN 10 100 Strips 0.15
GROUP MARKING CARRIER	SCKNMLH 50 0.55 SCUNMLH 50 0.60	SCKNMLH 50 0.55 SCUNMLH 50 0.60	SCKNMLH 50 0.55 SCUNMLH 50 0.60	SCKNMLH 50 0.55 SCUNMLH 50 0.60
COLOUR:	<ul style="list-style-type: none"> <li>○ GREY, KHAKHI</li> <li>● RED, YELLOW, BLUE</li> <li>● BLACK, GREEN</li> </ul>	<ul style="list-style-type: none"> <li>○ DPBB120(G), DPBB120(K)</li> <li>● DPBB120(R), DPBB120(Y), DPBB120(B)</li> <li>● DPBB120(BL), DPBB120(GR)</li> </ul>	<ul style="list-style-type: none"> <li>○ DPBC120(G), DPBC120(K)</li> <li>● DPBC120(R), DPBC120(Y), DPBC120(B)</li> <li>● DPBC120(BL), DPBC120(GR)</li> </ul>	<ul style="list-style-type: none"> <li>○ DPBB185N(G), DPBB185N(K)</li> <li>● DPBB185N(R), DPBB185N(Y), DPBB185N(B)</li> <li>● DPBB185N(BL), DPBB185N(GR)</li> </ul>
MOUNTING CHANNEL	-- -- --	-- -- --	-- -- --	-- -- --
STANDARD LENGTHS 300mm, 500mm, 1000mm	CHK 3/5/10 100/100/100 11/19/36 CHKS 3/5/10 100/100/100 11/17/34 CHKDS 10 50 34.50	CHK 3/5/10 100/100/100 11/19/36 CHKS 3/5/10 100/100/100 11/17/34 CHKDS 10 50 34.50	CHK 3/5/10 100/100/100 11/19/36 CHKS 3/5/10 100/100/100 11/17/34 CHKDS 10 50 34.50	CHK 3/5/10 100/100/100 11/19/36 CHKS 3/5/10 100/100/100 11/17/34 CHKDS 10 50 34.50

