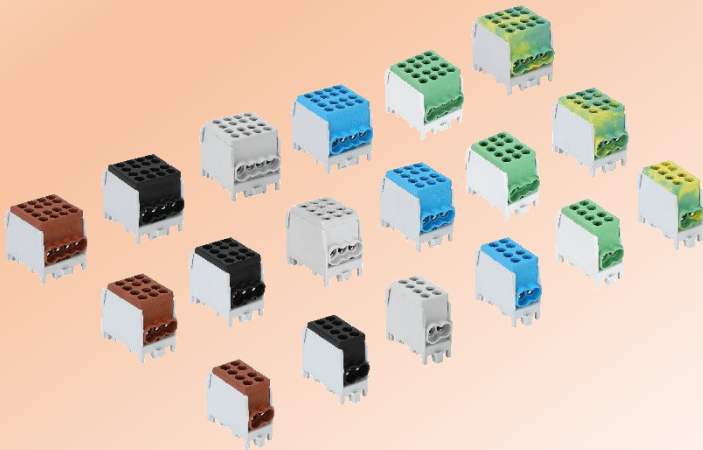


HDB main distribution terminal (HLAK)

Data Sheet V1.0



SEP HDB main line branch clamps (abbreviated HLAK) are essential components in electrical installations, especially for safely branching main lines to distribution points. The use of two screws per clamp increases reliability and safety, as it prevents the connections from becoming loose when moving or bending the cables. These clamps can be easily linked together to form a modular distribution block.

The SEP HDB series offers extra flexibility, with clamp covers in different colors (brown, black, grey, blue, yellow/green and green). These comply with the usual color coding for electrical wiring, making work on installations safer and clearer.

HDB series main
distribution terminals

CE

UK
CA

CB

RoHS

HDB main distribution terminals are compliant to product standard IEC/EN 60998-1 and 60947-7-1 and with the following main technical features

- rated current 101 and 125A
- 4, 6 or 8 clamp positions
- double screw per clamp
- diversity in colors
- linkable together

Application benefits

- Supply possible from top and bottom
- Reliable due to 2 screw connection
- Combinations possible to make a main distribution block
- Comply with the electrical color coding

HDB main distribution terminal (HLAK)

Technical Data



Type			HDB-25/16	HDB-25/25	HDB-35/25	
	Standards		IEC 60998-2-1; IEC 60947-7-1			
	Certification		CE, UKCA, CB			
	Country of origin		CN			
	RoHS Compliance Status		Compliant, No Exemption			
Electrical features	Number of poles		1			
	Number of connection points		4, 6, 8			
	Number of screws for connection point		2			
	Rated voltage	Un	V	400V		
	Rated current	In	A	101	101	125
	Rated impulse withstand voltage (1.2/50)	Uimp	kV	8		
	Insulation voltage	Ui	V	1000		
	Pollution degree			3		
	Operating temperature	°C		-25... +80		
Mechanical features	Housing		Insulation group I - II, RAL 7035			
	Cover		Insulation group I - II			
	Cover colours	Brown	L (L1,B)	RAL 8003		
		Black	L (L2,S)	RAL 9005		
		Grey	L (L3,G)	RAL 7035		
		Blue	N	RAL 5012		
		Green	PE	RAL 6018		
		Yellow/green	PE	RAL 1023 / RAL 6018		
	Screws		Zinc- Coated Steel			
	Terminal body		Tin- Coated Brass (3-4µm Ni / 7-10µm Sn)			
	Protection degree acc. to EN 60529		IP20, finger safe			
	Flammability class	UL-94	V0			
	Ambient temperature (with daily average ≤ +35 °C)		°C	-25... +65		
	Storage temperature		°C	-40... +70		
	Installation	Conductor type		round		
Electrical connection type 1		Connection points		2	2	2
		Stripping length	mm	17	17	20
		Solid, stranded	mm²	2,5~25	2,5~25	6~35
		Fine stranded	mm²	2,5~16	2,5~16	6~25
		Screw size		M6	M6	M8
		Torque	Nm	2.5	2.5	3.5
Electrical connection type 2		Connection points		2, 4, 6	2	2, 4, 6
		Stripping length	mm	17	17	20
		Solid, stranded	mm²	2,5~16	2,5~25	6~25
		Fine stranded	mm²	2,5~10	2,5~16	6~16
		Screw size		M5	M6	M6
		Torque	Nm	2	2.5	3.5
Mounting		on DIN rail EN 60715 (35mm) by means of mounting clip				
Mounting position		Any				

HDB – main terminal

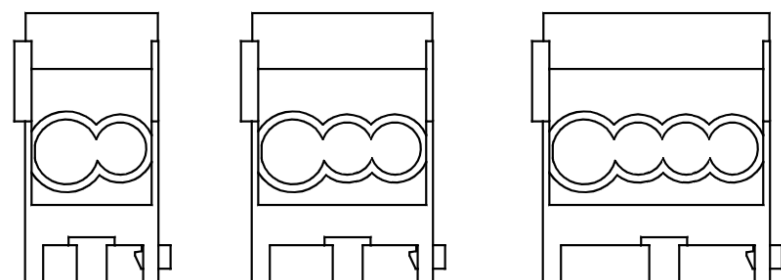
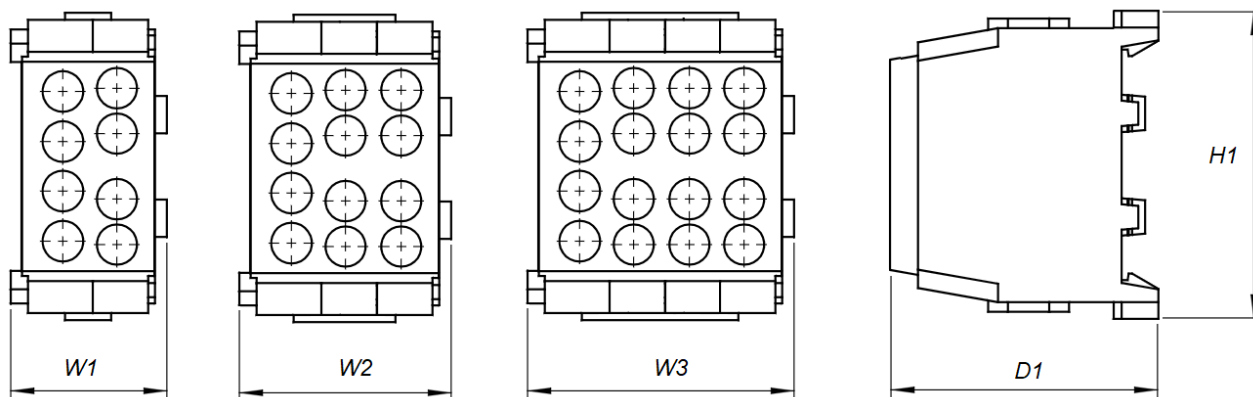
Technical Data



Type			HDB-25/16.1	HDB-25/16.2	HDB-25/16.3	HDB-25/25.1	HDB-35/25.1	HDB-35/25.2	HDB-35/25.3
Dimensions (Hx Wx D)	Connections		4	6	8	4	4	6	8
	Height	mm	44,5	44,5	44,5	44,5	55,1	55,1	55,1
	Width	mm	22,4	30,2	37,5	22,4	26,5	35,9	45,2
	Depth	mm	41	41	41	41	43	43	43
	Weight	gr	49,64	69,6	91,2	46,19	75,89	113,64	15,08
Packing A	Qty	pcs	14	10	8	14	14	10	8
	Height	mm	160	160	160	160	187	187	187
	Width	mm	100	100	100	100	125	125	125
	Depth	mm	47	47	47	47	50	50	50
	Weight	kg	0,73	1,01	0,95	0,70	1,11	1,19	1,25
Packing B	Qty	pcs	560	400	320	560	280	200	160
	Height	mm	420	420	420	420	420	420	420
	Width	mm	245	245	245	245	245	245	245
	Depth	mm	340	340	340	340	340	340	340
	Weight	kg	29,22	29,83	30,83	28,62	22,68	24,63	25,96
CN-code			85369010						
Combination possible to be linked together			∞				∞		

Overall dimensions

All measurements in mm



(mm)	HDB-25	HDB-35
W1	22,4	26,5
W2	30,2	35,9
W3	37,5	45,2
D1	41	43
H1	44,5	55,1

HDB main distribution terminal (HLAK)

Order codes single poles

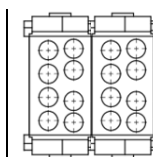
								
Inom	Color	Connections	2x 25mm2	2x 16mm2	2x 25mm2	4x 16mm2	2x 25mm2	6x 16mm2
101A	● Brown		2110300060		2110300120		2110300180	
	● Black		2110300050		2110300110		2110300170	
	● Grey		2110300010		2110300070		2110300130	
	● Blue		2110300020		2110300080		2110300140	
	● Green		2110300040		2110300100		2110300160	
	● Yellow/Green		2110300030		2110300090		2110300150	

				
Inom	Color	Connections	2x 25mm2	2x 25mm2
101A	● Brown		2110300240	
	● Black		2110300230	
	● Grey		2110300190	
	● Blue		2110300200	
	● Green		2110300220	
	● Yellow/Green		2110300210	

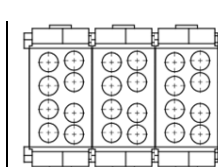
								
Inom	Color	Connections	2x 35mm²	2x 25mm²	2x 35mm²	4x 25mm²	2x 35mm²	6x 25mm²
125A	● Brown		2110300300		2110300360		2110300420	
	● Black		2110300290		2110300350		2110300410	
	● Grey		2110300250		2110300310		2110300370	
	● Blue		2110300260		2110300320		2110300380	
	● Green		2110300280		2110300340		2110300400	
	● Yellow/Green		2110300270		2110300330		2110300390	

HDB main distribution terminal (HLAK)

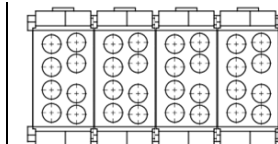
Order codes HDB-sets



Inom	Color	L	L	L	N	PE	Article no.
101A	● ● Grey Grey	2x 25mm2 2x 16mm2	2x 25mm2 2x 16mm2	-	-	-	2110300430
101A	● ● Grey Grey	2x 25mm2 2x 25mm2	2x 25mm2 2x 25mm2	-	-	-	2110300640
125A	● ● Grey Grey	2x 35mm2 2x 25mm2	2x 35mm2 2x 25mm2	-	-	-	2110300730



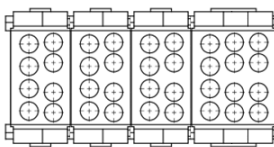
Inom	Color	L	L	L	N	PE	Article no.
101A	● ● ● Grey Grey Grey	2x 25mm2 2x 16mm2	2x 25mm2 2x 16mm2	2x 25mm2 2x 16mm2	-	-	2110300440
	● ● ● Brown Black Grey						2110300450
101A	● ● ● Grey Grey Grey	2x 25mm2 2x 25mm2	2x 25mm2 2x 25mm2	2x 25mm2 2x 25mm2	-	-	2110300650
	● ● ● Brown Black Grey						2110300660
125A	● ● ● Grey Grey Grey	2x 35mm2 2x 25mm2	2x 35mm2 2x 25mm2	2x 35mm2 2x 25mm2	-	-	2110300740
	● ● ● Brown Black Grey						2110300750



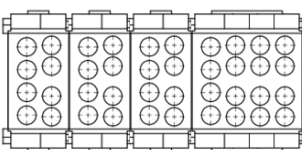
Inom	Color	L	L	L	N	PE	Article no.
101A	● ● ● ● Grey Grey Grey Grey						2110300480
	● ● ● ● Brown Black Grey Blue	2x 25mm2 2x 16mm2	2x 25mm2 2x 16mm2	2x 25mm2 2x 16mm2	2x 25mm2 2x 16mm2	-	2110300470
	● ● ● ● Grey Grey Grey Blue						2110300460
101A	● ● ● ● Grey Grey Grey Grey						2110300690
	● ● ● ● Brown Black Grey Blue	2x 25mm2 2x 25mm2	2x 25mm2 2x 25mm2	2x 25mm2 2x 25mm2	2x 25mm2 2x 25mm2	-	2110300680
	● ● ● ● Grey Grey Grey Blue						2110300670
125A	● ● ● ● Grey Grey Grey Grey						2110300780
	● ● ● ● Brown Black Grey Blue	2x 35mm2 2x 25mm2	2x 35mm2 2x 25mm2	2x 35mm2 2x 25mm2	2x 35mm2 2x 25mm2	-	2110300770
	● ● ● ● Grey Grey Grey Blue						2110300760

HDB main distribution terminal (HLAK)

Order codes HDB-sets



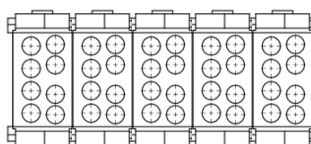
Inom	Color	L	L	L	N	PE	Article no.
101A	● ● ● ● Grey Grey Grey Grey						2110300510
	● ● ● ● Brown Black Grey Blue	2x 25mm2 2x 16mm2	2x 25mm2 2x 16mm2	2x 25mm2 2x 16mm2	2x 25mm2 4x 16mm2	-	2110300500
	● ● ● ● Grey Grey Grey Blue						2110300490
125A	● ● ● ● Grey Grey Grey Grey						2110300810
	● ● ● ● Brown Black Grey Blue	2x 35mm2 2x 25mm2	2x 35mm2 2x 25mm2	2x 35mm2 2x 25mm2	2x 35mm2 4x 25mm2	-	2110300800
	● ● ● ● Grey Grey Grey Blue						2110300790



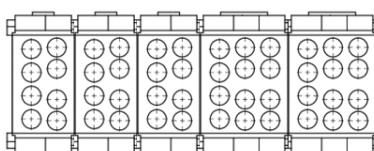
Inom	Color	L	L	L	N	PE	Article no.
101A	● ● ● ● Grey Grey Grey Grey						2110300540
	● ● ● ● Brown Black Grey Blue	2x 25mm2 2x 16mm2	2x 25mm2 2x 16mm2	2x 25mm2 2x 16mm2	2x 25mm2 6x 16mm2	-	2110300530
	● ● ● ● Grey Grey Grey Blue						2110300520
125A	● ● ● ● Grey Grey Grey Grey						2110300840
	● ● ● ● Brown Black Grey Blue	2x 35mm2 2x 25mm2	2x 35mm2 2x 25mm2	2x 35mm2 2x 25mm2	2x 35mm2 6x 25mm2	-	2110300830
	● ● ● ● Grey Grey Grey Blue						2110300820

HDB main distribution terminal (HLAK)

Order codes HDB-sets



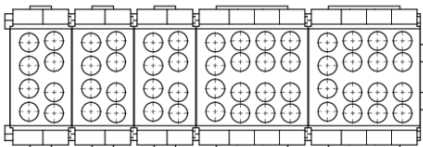
Inom	Color	L	L	L	N	PE	Article no.
101A	● ● ● ● ● Grey Grey Grey Grey Grey						2110300570
	● ● ● ● ● Brown Black Grey Blue Green	2x 25mm2 2x 16mm2	2x 25mm2 2x 16mm2	2x 25mm2 2x 16mm2	2x 25mm2 2x 16mm2	2x 25mm2 2x 16mm2	2110300560
	● ● ● ● ● Grey Grey Grey Blue Yellow-green						2110300550
101A	● ● ● ● ● Grey Grey Grey Grey Grey						2110300720
	● ● ● ● ● Brown Black Grey Blue Green	2x 25mm2 2x 25mm2	2x 25mm2 2x 25mm2	2x 25mm2 2x 25mm2	2x 25mm2 2x 25mm2	2x 25mm2 2x 25mm2	2110300710
	● ● ● ● ● Grey Grey Grey Blue Yellow-green						2110300700
125A	● ● ● ● ● Grey Grey Grey Grey Grey						2110300870
	● ● ● ● ● Brown Black Grey Blue Green	2x 35mm2 2x 25mm2	2x 35mm2 2x 25mm2	2x 35mm2 2x 25mm2	2x 35mm2 2x 25mm2	2x 35mm2 2x 25mm2	2110300860
	● ● ● ● ● Grey Grey Grey Blue Yellow-green						2110300850



Inom	Color	L	L	L	N	PE	Article no.
101A	● ● ● ● ● Grey Grey Grey Grey Grey						2110300600
	● ● ● ● ● Brown Black Grey Blue Green	2x 25mm2 2x 16mm2	2x 25mm2 2x 16mm2	2x 25mm2 2x 16mm2	2x 25mm2 4x 16mm2	2x 25mm2 4x 16mm2	2110300590
	● ● ● ● ● Grey Grey Grey Blue Yellow-green						2110300580
125A	● ● ● ● ● Grey Grey Grey Grey Grey						2110300900
	● ● ● ● ● Brown Black Grey Blue Green	2x 35mm2 2x 25mm2	2x 35mm2 2x 25mm2	2x 35mm2 2x 25mm2	2x 35mm2 4x 25mm2	2x 35mm2 4x 25mm2	2110300890
	● ● ● ● ● Grey Grey Grey Blue Yellow-green						2110300880

HDB main distribution terminal (HLAK)

Order codes HDB-sets



Inom	Color	L	L	L	N	PE	Article no.
101A	● ● ● ● ● Grey Grey Grey Grey Grey						2110300630
	● ● ● ● ● Brown Black Grey Blue Green	2x 25mm2 2x 16mm2	2x 25mm2 2x 16mm2	2x 25mm2 2x 16mm2	2x 25mm2 6x 16mm2	2x 25mm2 6x 16mm2	2110300620
	● ● ● ● ● Grey Grey Grey Blue Yellow-green						2110300610
125A	● ● ● ● ● Grey Grey Grey Grey Grey						2110300930
	● ● ● ● ● Brown Black Grey Blue Green	2x 35mm2 2x 25mm2	2x 35mm2 2x 25mm2	2x 35mm2 2x 25mm2	2x 35mm2 6x 25mm2	2x 35mm2 6x 25mm2	2110300920
	● ● ● ● ● Grey Grey Grey Blue Yellow-green						2110300910