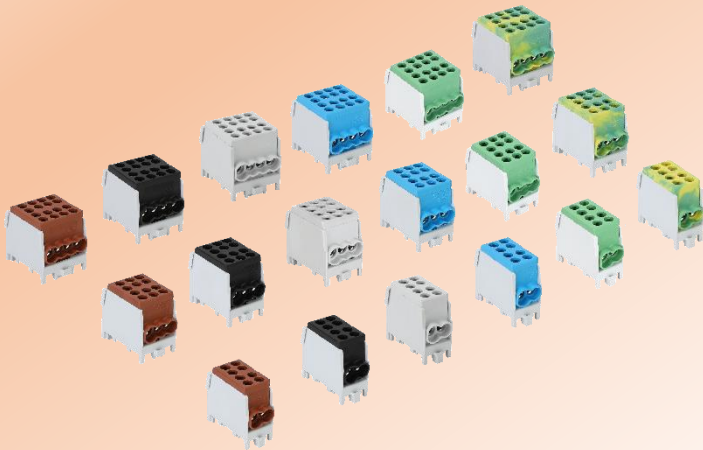


HDB main distribution terminal (HLAK)

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

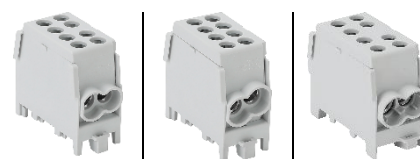
- rated current 101 and 125A
- 4, 6 or 8 clamp positions
- double screw per clamp
- diversity in colors
- linkable together

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			-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)			-25... +65		
	Storage temperature			-40... +70		
Installation	Conductor type			round		
	Electrical connection type 1	Connection points		2	2	2
		Stripping length	mm	17	17	20
		Solid, stranded	mm ²	2,5~25	2,5~25	6~35
		Fine stranded	mm ²	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	mm ²	2,5~16	2,5~25	6~25
		Fine stranded	mm ²	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

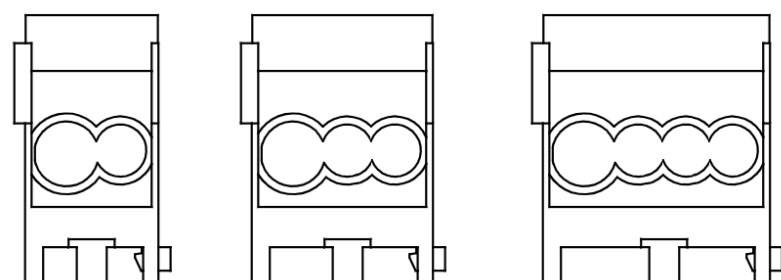
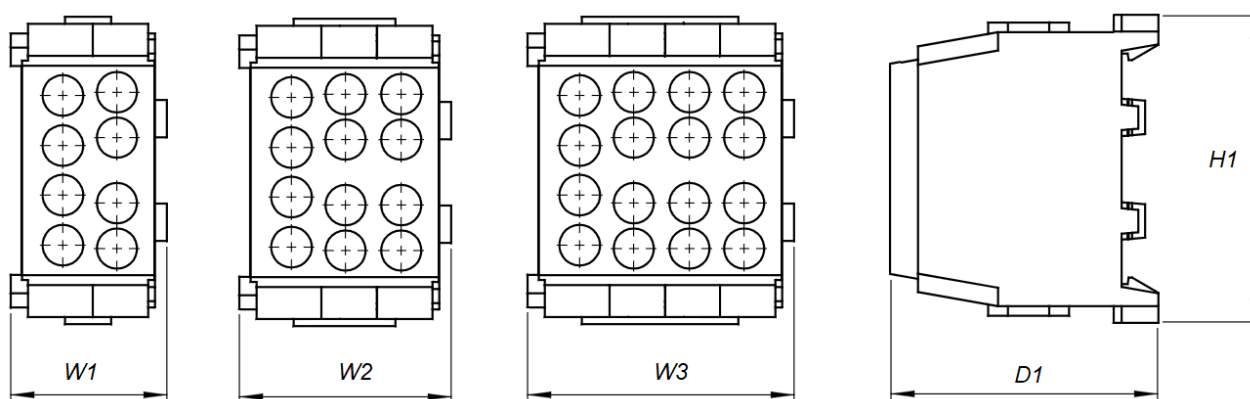
Technical Data



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

								
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	
	Green/Yellow		2110300030		2110300090		2110300150	

				
Inom	Color	Connections	2x 25mm²	2x 25mm²
101A	Brown		2110300240	
	Black		2110300230	
	Grey		2110300190	
	Blue		2110300200	
	Green		2110300220	
	Green/Yellow		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	
	Green/Yellow		2110300270		2110300330		2110300390	