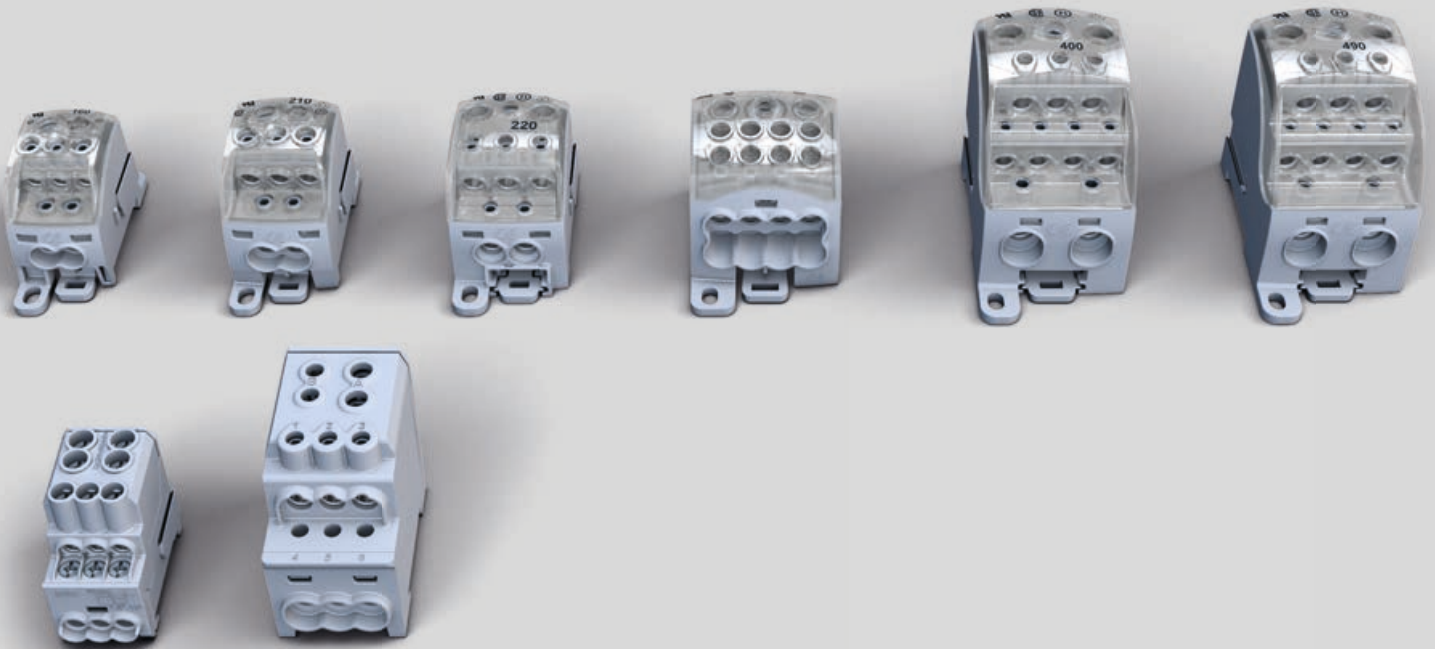




Distribution Blocks

The SUB and SDB series



SIMBLOCK

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The SUB series at a glance



CHARACTERISTICS

- suitable for aluminium or copper conductors
- compact and robust construction with big crosses
- all-side finger-safe
- innovative step design of the brass body with a transparent cover for safe connection of the conductors
- large amount of terminals for universal, round or flat conductors
- stackable and extended to any requirement using phase rails for smaller distribution blocks and pre-assembled flat copper bridges as accessories for larger ones
- horizontal and vertical installation

APPLICATION AREAS

- mechanical engineering
- production plants
- automation
- switch gears
- wind-mill powered plants
- solar engineering

CERTIFICATES | CONFORMITY | SAFETY

- ▶ IEC 60947-7-1
- ▶ UL-1059
- ▶ CSA C22.2 No.158-10



SUB 160



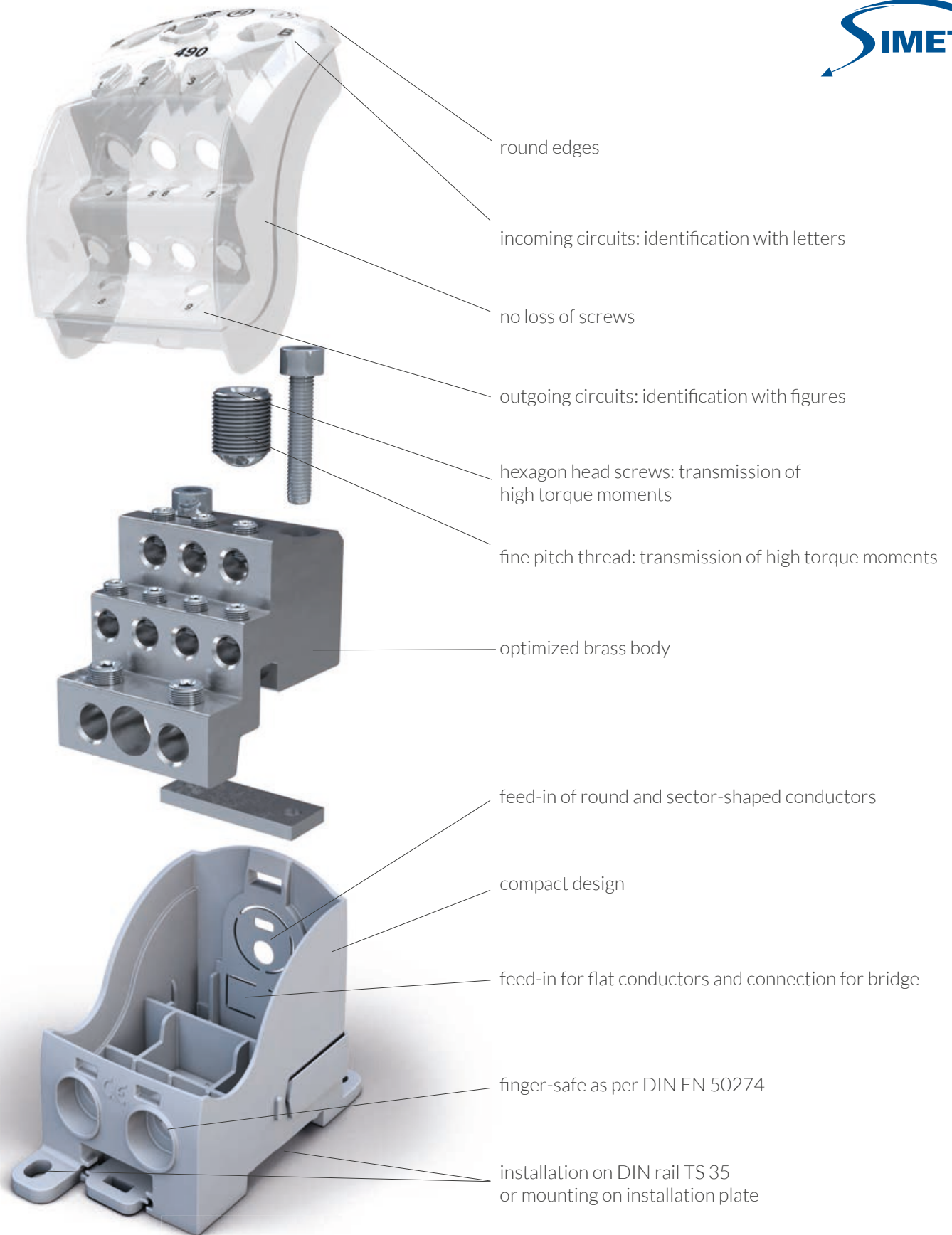
SUB 210



SUB 220



SUB 270



SUB 400




SUB 490

For the marking of the neutral conductor: blue and transparent covers for all types of the SUB series, including integrated letters and figures for incoming or outgoing circuit




Technical Data: SUB series


SUB 160 grey

NOMINAL VOLTAGE		NOMINAL CURRENT		STANDARDS
1000 V AC/DC		164 A Cu	Incoming 2 x 16 mm ²	IEC 60947-7-1 IEC 60947-7-1 UL-1059
1000 V AC/DC		101 A Cu	Incoming 1 x 25 mm ²	
600 V AC		85 A Cu / 65 A Al	Incoming 1 x 4 AWG	
INCOMING		OUTGOING/BRIDGE		
1 x	25 - 2,5 mm ² (4 - 14 AWG)	16 - 1,5 mm ² (6 - 16 AWG)		
	16 - 1,5 mm ² (6 - 16 AWG)	10 - 1,5 mm ² (8 - 16 AWG)	or fork M6 / 16 mm ²	
OUTGOING				
2 x	16 - 1,5 mm ² (6 - 16 AWG)			
	10 - 1,5 mm ² (8 - 16 AWG)			
3 x	10 - 1,5 mm ² (8 - 16 AWG)			
	6 - 1,5 mm ² (10 - 16 AWG)			


SUB 210 grey

NOMINAL VOLTAGE		NOMINAL CURRENT		STANDARDS
1000 V AC / 1500 V DC		214 A Cu	Incoming 2 x 25 mm ²	IEC 60947-7-1 IEC 60947-7-1 UL-1059
1000 V AC / 1500 V DC		125 A Cu	Incoming 1 x 35 mm ²	
600 V AC		115 A Cu / 90 A Al	Incoming 1 x 2 AWG	
INCOMING		OUTGOING/BRIDGE		
1 x	35 - 4 mm ² (2 - 12 AWG)	16 - 1,5 mm ² (6 - 16 AWG)		
	25 - 2,5 mm ² (4 - 14 AWG)	10 - 1,5 mm ² (8 - 16 AWG)	or Fork M6 / 16 mm ²	
OUTGOING				
2 x	25 - 2,5 mm ² (4 - 14 AWG)			
	16 - 1,5 mm ² (6 - 16 AWG)			
3 x	16 - 1,5 mm ² (6 - 16 AWG)			
	10 - 1,5 mm ² (8 - 16 AWG)			


SUB 220 grey

NOMINAL VOLTAGE		NOMINAL CURRENT		STANDARDS
1000 V AC / 1500 V DC		215 A Cu	Incoming Flexi Bar 4 x 15,5 mm	IEC 60947-7-1 IEC 60947-7-1 UL-1059
1000 V AC / 1500 V DC		192 A Cu	Incoming 1 x 70 mm ²	
600 V AC		160 A Cu / 135 A Al	Incoming 1 x 2/0 AWG	
INCOMING		OUTGOING		
1 x	70 - 10 mm ² (2/0 - 8 AWG)	2 x	25 - 2,5 mm ² (4 - 14 AWG)	
	50 - 6 mm ² (1/0 - 10 AWG)		25 - 2,5 mm ² (4 - 14 AWG)	
1 x	Flat conductor 15,5 x 5 mm	3 x	16 - 1,5 mm ² (6 - 16 AWG)	
			10 - 1,5 mm ² (8 - 16 AWG)	


SUB 270 grey

NOMINAL VOLTAGE		NOMINAL CURRENT		STANDARDS
1000 V AC/DC		270 A Cu	Incoming 2 x 35 mm ²	IEC 60947-7-1 IEC 60947-7-1 UL-1059
1000 V AC/DC		232 A Cu	Incoming 1 x 95 mm ²	
600 V AC		200 A Cu / 155 A Al	Incoming 1 x 3/0 AWG	
INCOMING		OUTGOING/BRIDGE		
1 x	95 - 16 mm ² (3/0 - 6 AWG)	2 x	35 - 4 mm ² (2 - 12 AWG)	
	70 - 10 mm ² (2/0 - 8 AWG)		25 - 2,5 mm ² (4 - 14 AWG)	
OUTGOING				
8 x	25 - 2,5 mm ² (4 - 14 AWG)			
	16 - 1,5 mm ² (6 - 16 AWG)			

SUB 400 grey


NOMINAL VOLTAGE		NOMINAL CURRENT		STANDARDS
1000 V AC / 1500 V DC		400 A Cu	Incoming Flexi Bar 24 x 10 mm	IEC 60947-7-1 IEC 60947-7-1 UL-1059
1000 V AC / 1500 V DC		250 A Cu	Incoming 1 x 120 mm ²	
600 V AC		250 A Cu / 205 A Al	Incoming 1 x 250 kcmil	
INCOMING		OUTGOING		
1 x	120 - 35 mm ² (250 - 2 AWG)	2 x	35 - 4 mm ² (2 - 12 AWG)	
	95 - 25 mm ² (3/0 - 4 AWG)		25 - 2,5 mm ² (4 - 14 AWG)	
1 x	Flat conductor 24 x 10 mm	3 x	25 - 2,5 mm ² (4 - 14 AWG)	
			16 - 1,5 mm ² (6 - 16 AWG)	
		4 x	16 - 1,5 mm ² (6 - 16 AWG)	
			10 - 1,5 mm ² (8 - 16 AWG)	

SUB 490 grey


NOMINAL VOLTAGE		NOMINAL CURRENT		STANDARDS
1000 V AC / 1500 V DC		490 A Cu	Incoming Flexi Bar 24 x 10 mm	IEC 60947-7-1 IEC 60947-7-1 UL-1059
1000 V AC / 1500 V DC		353 A Cu	Incoming 1 x 185 mm ²	
600 V AC		310 A Cu / 250 A Al	Incoming 1 x 350 kcmil	
INCOMING		OUTGOING		
1 x	185 - 95 mm ² (350 - 3/0 AWG)	2 x	35 - 4 mm ² (2 - 12 AWG)	
	150 - 70 mm ² (300 - 2/0 AWG)		25 - 2,5 mm ² (4 - 14 AWG)	
1 x	Flat conductor 24 x 10 mm	3 x	25 - 2,5 mm ² (4 - 14 AWG)	
			16 - 1,5 mm ² (6 - 16 AWG)	
		4 x	16 - 1,5 mm ² (6 - 16 AWG)	
			10 - 1,5 mm ² (8 - 16 AWG)	

Technical Data: SDB series

SDB 100 grey

NOMINAL VOLTAGE		NOMINAL CURRENT		STANDARDS
1000 V AC		101 A Cu	Incoming 1 x 25 mm ²	IEC 60947-7-1 IEC 61238-1 (Class A)
1000 V AC		100 A Al	Incoming 2 x 16 mm ²	
INCOMING/BRIDGE		OUTGOING		
2 x	25 mm ² - 2,5 mm ²	6 x	10 mm ² - 1,5 mm ²	
	16 mm ² - 1,5 mm ²		6 mm ² - 1,5 mm ²	

SDB 200 grey

NOMINAL VOLTAGE		NOMINAL CURRENT		STANDARDS
1000 V AC / 1500 V DC		200 A Cu		IEC 60947-7-1 IEC 61238-1 (Class A)
1000 V AC / 1500 V DC		185 A Al		
INCOMING		OUTGOING/BRIDGE		
1 x	70 - 10 mm ²	1 x	35 - 4 mm ²	
	50 - 6 mm ²		25 - 2,5 mm ²	
		6 x	16 - 1,5 mm ²	
			10 - 1,5 mm ²	

The SDB series at a glance



CHARACTERISTICS

- suitable for all round and sector-shaped solid, stranded or flexible conductors in copper or aluminium
- cost savings from optimized brass body and compact design
- all-side finger-safe
- user-friendliness with simplified screw assembly, captive screws attached to the plastic casing, no brake screws needed
- universal connection for conductors on large numbers of terminals
- horizontal installation as well as free combination and stacking arrangement with component connections using conductor bridges

APPLICATION AREAS

- mechanical engineering
- production plants
- automation
- switch gears
- wind-mill powered plants
- solar engineering

CERTIFICATES | CONFORMITY | SAFETY

- ▶ IEC 60947-7-1
- ▶ IEC 60998-1
- ▶ IEC 61238-1 (Class A)



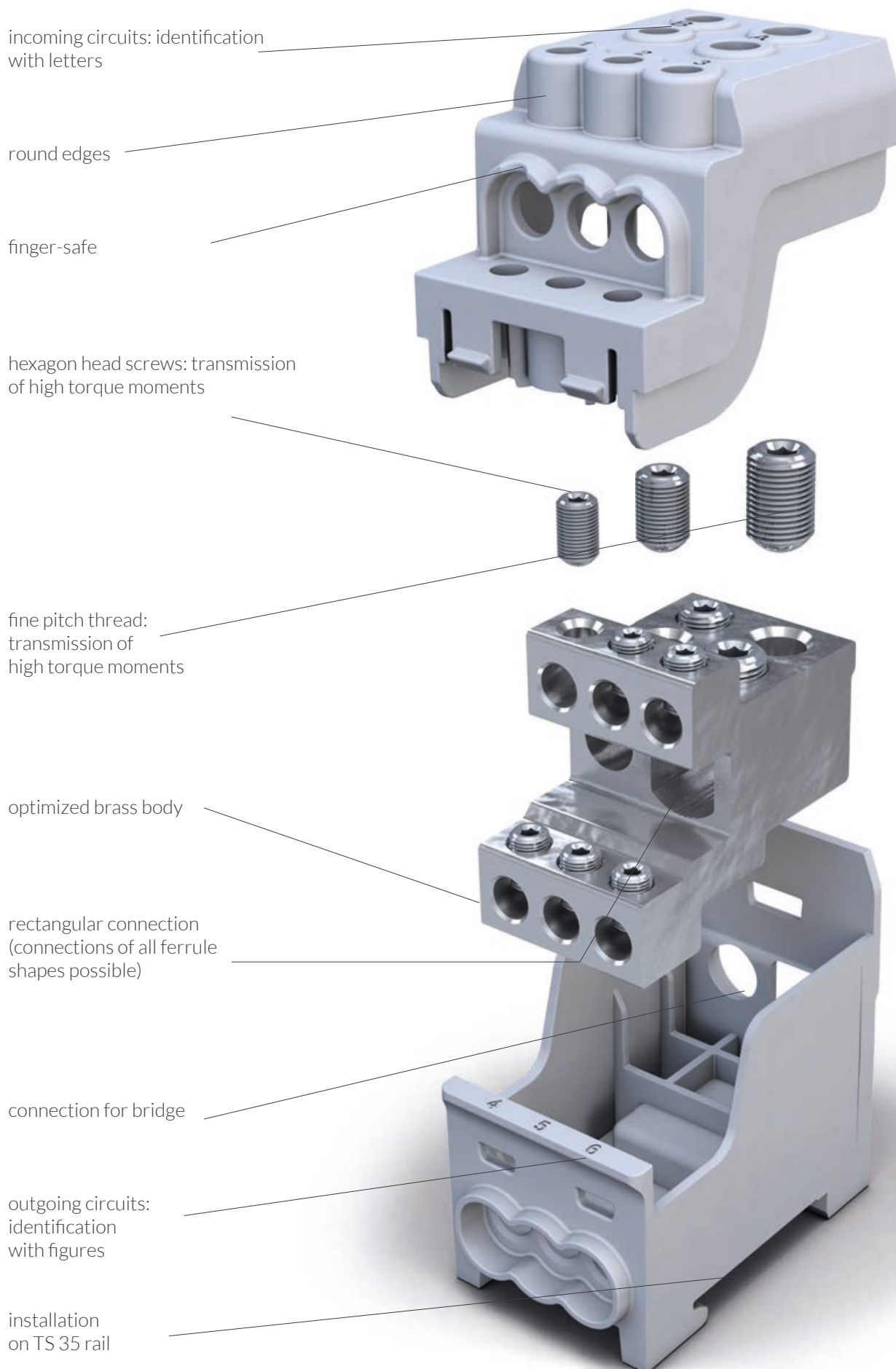
SDB 100



SDB 200

Marking of the diverse conductors with colour-highlighted covers and simplified stackable installation.







Electrotechnical equipment producer

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