





COMPACT POWER BLOCKS

ENTRELEC Terminal blocks



THE COMPACT SECURED AND COST-EFFECTIVE SOLUTION FOR POWER CONNECTION.

The Compact Terminal Blocks cover a wide variety of applications from mechanical engineering, industrial equipment, automation to wind turbines, solar energy or switchgears. They offer cost, weight and space savings from optimized aluminum body and compact design.

The range offers connection capacity from 50 to 300 mm² and TS35 rail or panel mount.

BENEFIT STATEMENTS

Highly versatile

Large scope of conductors accepted

The aluminum body combined with specific coating allow the use of aluminum & copper conductors whether round or sector-shaped, solid, stranded or flexible with ferrule.

Modularity

- Available in 2 connection for power connection as well as 4 connections for power distribution purposes.
- Up to 6 colors for convenient phase identification purposes as per IEC/NEC wiring guidlines.

Easy monitoring or supply

Blocks from 95 to 300 mm² have an extra built-in measurement tapping connection to provide main supply monitoring or to provide supply to a control equipment.

Secured and compact connection

Protection of connection process, conductor and the operator

- Hexagon drive with hex-wrenge for transmission of high torque moments.
- The fine pitch thread allows transmission of high torque moments.
- The turned screw ends prevent damage to the relatively soft aluminium conductor material on installation.
- Reinforced finger safe and dust protection by side cover when block is not wired.

Reduced oxidation risks

- Specific coating reduces oxidation risks with aluminum or copper conductors.
- Push-through plastic protection keep conductors from touching in the middle.

Easy to install and use

Compact and firm grip

The compact body combines easy snap-on the rail with high and firm grip after being installed.

Low drift firm body & cover keeps good alignement even under high torque and cable weight.

Light weight body

The aluminum body offers a lightweight product easier to stock & install.

Two mounting options

All blocks can be mounted on mounting plates or TS 35 rails according to IEC 60715 / DIN EN 50022.

Easy identification

The large area on top cover of the block allow easy identification with standard or custom labels.

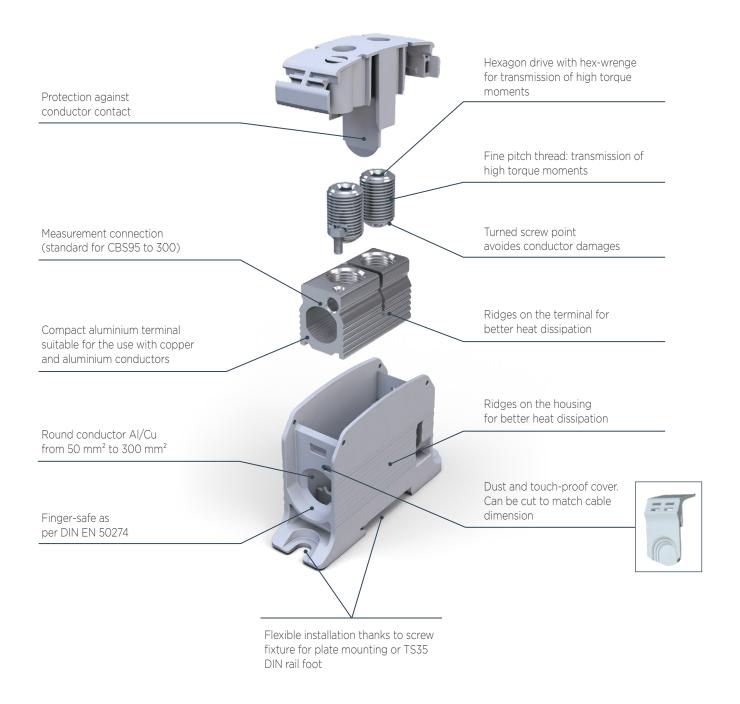
KEY FEATURES

- Screw-clamp technology
- From 50 mm² to 300 mm² (0 AWG to 600 Kcmil)
- 1000V IEC/UL rated
- Current rating 150 to 520A (IEC) & 150 to 420A (UL)
- Single pole and double poles versions
- 6 colors (grey, blue, green, black, brown, red)
- Aluminum tin plated body
- Panel and Din-rail mounting

APPLICATIONS

- Electrical cabinet builder Main power control cabinet
- Automation control
- Battery energy storage systems (BESS)
- Electrical vehicle infrastructures (EVI)
- Solar inverters & combiner boxes
- Motion & Drives
- HVAC
- Machinery switchboard where compactness matters

PRODUCT FEATURES



Approvals

IEC 60947-7-1

IEC 61238-1 (Class A)

UL-1059

UL 486E

CSA C22.2 No.158-10

Conformity









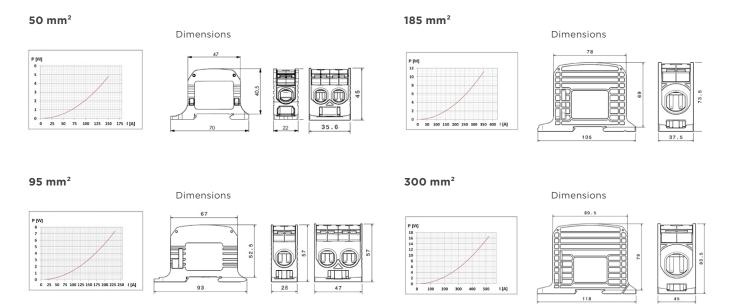
PRODUCT ORDERING INFORMATION

	Main Cross sect	Tapping tion	Spac	ing	Current IEC	UL	Voltage IEC/UL	Function	Color	Туре	Part Number	Accessories Cover/Markers	Packii
	mm²/AWG	mm²/AWG	mm	in	Cu/AL	AL Cu/AL V	V						<u> </u>
50 mm², Single pole	4-35 / 12-2	-	22	0.87	150 / 150 A	150 / 120 A	1000 /	0—0	Grey	CBS50-2P	1SNF516011R0000		9
	12-2				IJU A	120 A	1000		Grey/Blue	CBS50-2P-BL	1SNF516021R0000		9
									■ Grey/Green	CBS50-2P-GR	1SNF516031R0000		9
									■ Grey/Brown	CBS50-2P-BR	1SNF516041R0000		9
									Grey/Black	CBS50-2P-BK	1SNF516051R0000	CBS50-Cover (54 Pcs/Pkg)	9
									Grey/Red	CBS50-2P-RD	1SNF516061R0000	1SNF916710R0000	9
50 mm², Double pole	6-50 /		35.6	1.4				373	Grey	CBS50-4P	1SNF516111R0000	VYT0512: 12x5 mm Self-adhesive white label	5
	10-0				-				■ Grey/Blue	CBS50-4P-BL	1SNF516121R0000	1SNA235837R0000	5
									Grey/Green	CBS50-4P-GR	1SNF516131R0000		5
									Grey/Brown	CBS50-4P-BR	1SNF516141R0000		5
									Grey/Black	CBS50-4P-BK	1SNF516151R0000		5
					:	:			Grey/Red	CBS50-4P-RD	1SNF516161R0000		5
95 mm², Single pole 95 mm², Double pole	10-70 / 8-00	1.5-6 / 10-16	25.5	1	232 / 200 A	200 / 155 A	1000 /	ಾರಿ	□Grey	CBS95-2P	1SNF526011R0000		2
									⊟ Grey/Blue	CBS95-2P-BL	1SNF526021R0000		2
						-			Grey/Green	CBS95-2P-GR	1SNF526031R0000		2
									■Grey/Brown	CBS95-2P-BR	1SNF526041R0000	000000 0 (0000 /01)	2
			-						■ Grey/Black	CBS95-2P-BK	1SNF526051R0000	CBS95-Cover (20 Pcs/Pkg) 1SNF926710R0000	2
	16-95 / 6-000	1.5-10 / 8-16	47	1.85				्री	Grey/Red	CBS95-2P-RD	1SNF526061R0000	TAA0917: 17x9 mm	2
									Grey	CBS95-4P	1SNF526111R0000	Self-adhesive rigid white label 1SNA235776R0000	1
									Grey/Blue	CBS95-4P-BL	1SNF526121R0000	VYT0817: 17x8 mm Self-adhe-	1
									Grey/Green	CBS95-4P-GR	1SNF526131R0000	sive white label 1SNA235844R0000	1
										CBS95-4P-BR	1SNF526141R0000		1
									Grey/Brown		ļ		1
									Grey/Black	CBS95-4P-BK	1SNF526151R0000		1
85 mm², Single pole	35-150 /	1.5-6 /	775	1.47	353 A /-	710 /	1000 /	<u></u>	Grey/Red	CBS95-4P-RD	1SNF526161R0000		1
	00-300 Kcmil	8-16	01.3	1.47	333 A /-	250 A	10007	. 61-0	Grey	CBS185-2P	1SNF536011R0000	CBS185-Cover (12 Pcs/Pkg) 1SNF936710R0000	1
									Grey/Blue	CBS185-2P-BL	1SNF536021R0000	TAA0917: 17x9 mm	1
	05.105./	1510/							Grey/Green	CBS185-2P-GR	1SNF536031R0000	Self-adhesive rigid white label 1SNA235776R0000	
	95-185 / 000-350 Kcmil	1.5-10 / 10-16							Grey/Brown	CBS185-4P-BR	1SNF536041R0000	VYT0817: 17x8 mm Self-adhe-	
									■ Grey/Black	<u>}</u>	1SNF536051R0000	sive white label 1SNA235844R0000	1
									Grey/Red	CBS185-4P-RD	1SNF536061R0000	1314A233044R0000	1
300 mm², Single pole	50-240 / 250-500 Kcmil	1.5-6 / 8-16	45	1.77	520 A /-	:	1000 /	<u></u>	Grey	CBS300-2P	1SNF546011R0000	CBS300-Cover (8 Pcs/Pkg)	1
									Grey/Blue	CBS300-2P-BL	1SNF546021R0000	1SNF946710R0000	1
									■ Grey/Green	CBS300-2P-GR	1SNF546031R0000	TAA0917: 17x9 mm Self-adhesive white label	1
	150-300 / 300-600 Kcmil								■ Grey/Brown	CBS300-2P-BR	1SNF546041R0000	1SNA235776R0000	1
									■ Grey/Black	CBS300-2P-BK	1SNF546051R0000	VYT0817: 17x8 mm Self-adhesive white label	1
			:	:					Grey/Red	CBS300-2P-RD	1SNF546061R0000	1SNA235844R0000	1

Not allowed			
Flexible without ferrule	Flexible with insulated ferrule (IEC V-K & UL: class 5/6)	Rigid Solid	Rigid Stranded
(IEC V-K & UL: class 5/6)		(IEC V-U class 1, UL solid)	(IEC V-R class 2, UL class B/C)

DIMENSIONS & ELECTRICAL CHARACTERISTICS

Power loss for single pole & double pole



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04/24

TE Connectivity

3, rue Jean Perrin 69680 Chassieu cedex France



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity:

CBS185-2P-RD CBS300-2P-BK 1SNF516151R0000 1SNF516161R0000 CBS50-2P-BR CBS50-4P-BK CBS300-2P-GR CBS300-2P-RD CBS95-2P-BR 1SNF516051R0000 1SNF546061R0000 CBS50-4P-RD 1SNF526151R0000 1SNF546041R0000 1SNF526161R0000 CBS95-2P-BK CBS300-2P-BR 1SNF516041R0000 1SNF526141R0000 1SNF526161R0000 CBS95-2P-BK CBS95-2P-RD 1SNF546031R0000 1SNF546051R0000 1SNF516061R0000 1SNF536041R0000 1SNF536061R0000 CBS185-2P-BR CBS50-2P-BK CBS50-2P-RD CBS50-4P-BR 1SNF536031R0000 1SNF536051R0000 CBS95-4P-BK 1SNF536041R0000 1SNF536051R0000 CBS95-4P-BK 1SNF536041R0000 1SNF526051R0000 CBS95-4P-BR CBS95-4P-BK 1SNF526041R0000 1SNF526051R0000 CBS95-4P-BR CBS9