

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 guidelines.

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 alignment 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.

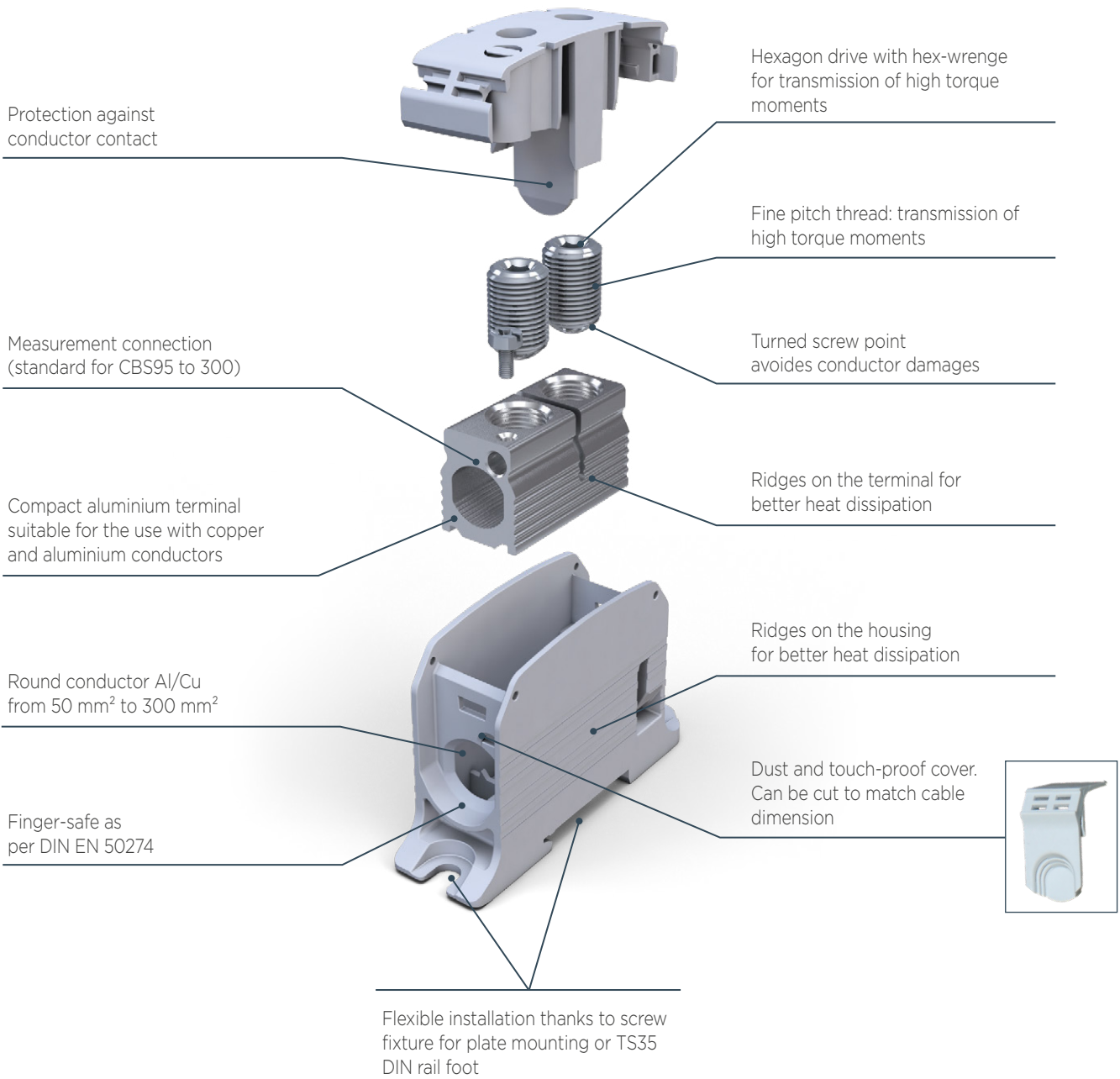
KEY FEATURES

- 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

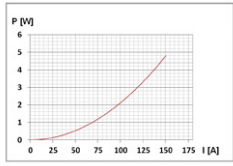
	Main	Tapping	Spacing		Current		Voltage	Function	Color	Type	Part Number	Accessories Cover/Markers	Packing
	Cross section mm ² /AWG	mm ² /AWG	mm	in	IEC Cu/AL	UL Cu/AL	IEC/UL V						
50 mm², Single pole 	4-35 / 12-2		22	0.87	150 / 150 A	150 / 120 A	1000 / 1000		Grey	CBS50-2P	ISNF516011R0000		9
									Grey/Blue	CBS50-2P-BL	ISNF516021R0000		9
									Grey/Green	CBS50-2P-GR	ISNF516031R0000		9
									Grey/Brown	CBS50-2P-BR	ISNF516041R0000		9
									Grey/Black	CBS50-2P-BK	ISNF516051R0000	CBS50-Cover (54 Pcs/Pkg) ISNF916710R0000	9
									Grey/Red	CBS50-2P-RD	ISNF516061R0000		9
50 mm², Double pole 	6-50 / 10-0		35.6	1.4					Grey	CBS50-4P	ISNF516111R0000	VYT0512: 12x5 mm Self-adhesive white label ISNA235837R0000	5
									Grey/Blue	CBS50-4P-BL	ISNF516121R0000		5
									Grey/Green	CBS50-4P-GR	ISNF516131R0000	5	
									Grey/Brown	CBS50-4P-BR	ISNF516141R0000	5	
									Grey/Black	CBS50-4P-BK	ISNF516151R0000	5	
									Grey/Red	CBS50-4P-RD	ISNF516161R0000	5	
95 mm², Single pole 	10-70 / 8-00	15-6 / 10-16	25.5	1	232 / 200 A	200 / 155 A	1000 / 1000		Grey	CBS95-2P	ISNF526011R0000	CBS95-Cover (20 Pcs/Pkg) ISNF926710R0000	2
									Grey/Blue	CBS95-2P-BL	ISNF526021R0000		2
									Grey/Green	CBS95-2P-GR	ISNF526031R0000	2	
									Grey/Brown	CBS95-2P-BR	ISNF526041R0000	2	
									Grey/Black	CBS95-2P-BK	ISNF526051R0000	TAA0917: 17x9 mm Self-adhesive rigid white label ISNA235776R0000	2
									Grey/Red	CBS95-2P-RD	ISNF526061R0000	2	
95 mm², Double pole 	16-95 / 6-000	15-10 / 8-16	47	1.85					Grey	CBS95-4P	ISNF526111R0000	VYT0817: 17x8 mm Self-adhesive white label ISNA235844R0000	1
									Grey/Blue	CBS95-4P-BL	ISNF526121R0000		1
									Grey/Green	CBS95-4P-GR	ISNF526131R0000	1	
									Grey/Brown	CBS95-4P-BR	ISNF526141R0000	1	
									Grey/Black	CBS95-4P-BK	ISNF526151R0000	1	
									Grey/Red	CBS95-4P-RD	ISNF526161R0000	1	
185 mm², Single pole 	35-150 / 00-300 Kcmil	15-6 / 8-16	37.5	1.47	353 A / 310 / 250 A		1000 / 1000		Grey	CBS185-2P	ISNF536011R0000	CBS185-Cover (12 Pcs/Pkg) ISNF936710R0000	1
									Grey/Blue	CBS185-2P-BL	ISNF536021R0000		1
									Grey/Green	CBS185-2P-GR	ISNF536031R0000	TAA0917: 17x9 mm Self-adhesive rigid white label ISNA235776R0000	1
									Grey/Brown	CBS185-4P-BR	ISNF536041R0000	1	
									Grey/Black	CBS185-4P-BK	ISNF536051R0000	VYT0817: 17x8 mm Self-adhesive white label ISNA235844R0000	1
									Grey/Red	CBS185-4P-RD	ISNF536061R0000	1	
300 mm², Single pole 	50-240 / 250-500 Kcmil	15-6 / 8-16	45	1.77	520 A / 420 / 340 A		1000 / 1000		Grey	CBS300-2P	ISNF546011R0000	CBS300-Cover (8 Pcs/Pkg) ISNF946710R0000	1
									Grey/Blue	CBS300-2P-BL	ISNF546021R0000		1
									Grey/Green	CBS300-2P-GR	ISNF546031R0000	TAA0917: 17x9 mm Self-adhesive white label ISNA235776R0000	1
									Grey/Brown	CBS300-2P-BR	ISNF546041R0000	1	
									Grey/Black	CBS300-2P-BK	ISNF546051R0000	VYT0817: 17x8 mm Self-adhesive white label ISNA235844R0000	1
									Grey/Red	CBS300-2P-RD	ISNF546061R0000	1	

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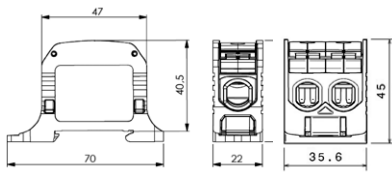
DIMENSIONS & ELECTRICAL CHARACTERISTICS

Power loss for single pole & double pole

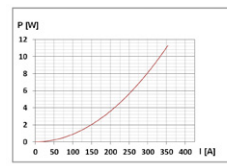
50 mm²



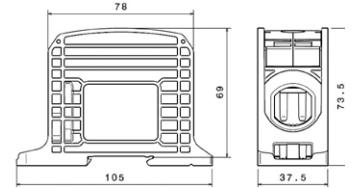
Dimensions



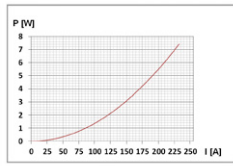
185 mm²



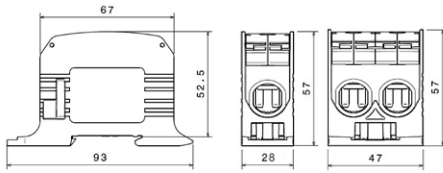
Dimensions



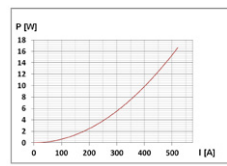
95 mm²



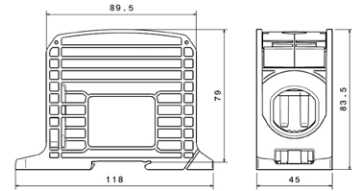
Dimensions



300 mm²



Dimensions



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