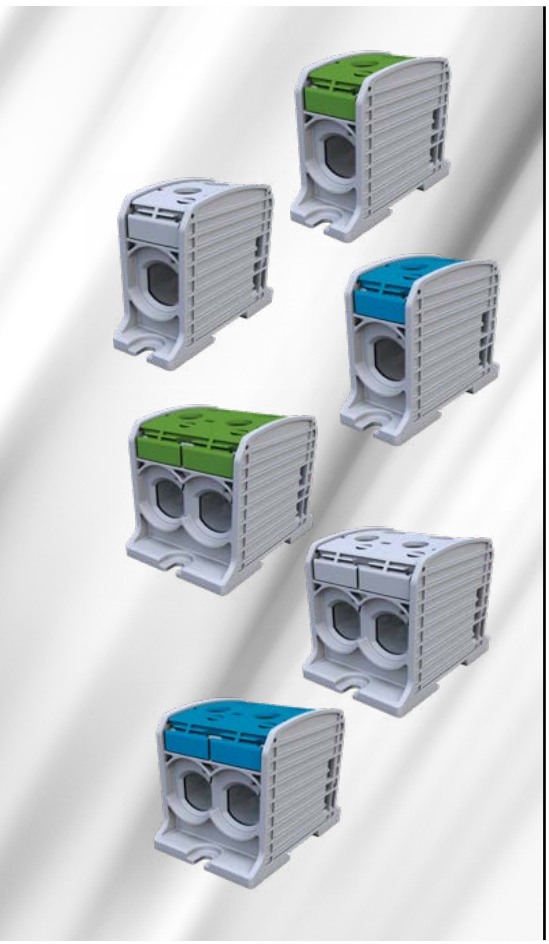


ENTRELEC
Electrical Solutions
By TE Connectivity

# COMPACT POWER BLOCKS

## The compact secured and cost-effective solution for power connection

From 50 to 300 mm², TS35 and panel mount

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.

## 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.

### 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.

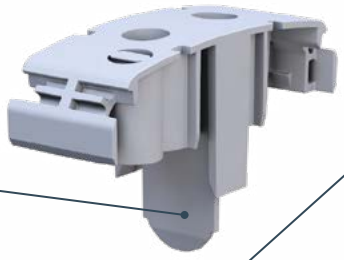
### Two Mounting option

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.

## PRODUCT FEATURES



Protection against conductor contact

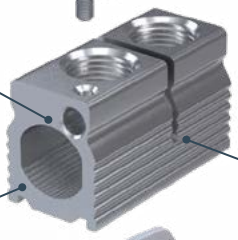
Hexagon drive with hex-wrenge for transmission of high torque moments

Fine pitch thread: transmission of high torque moments



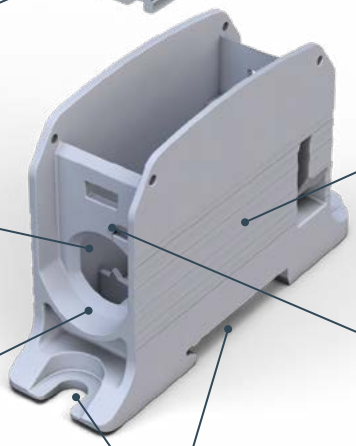
Turned screw point avoides conductor damages

Measurement connection (standard for CBS95 to 300)



Ridges on the terminal for better heat dissipation

Compact aluminium terminal suitable for the use with copper and aluminium conductors



Ridges on the housing for better heat dissipation

Round conductor Al/Cu from 50 mm² to 300 mm²

Dust and touch-proof cover. Can be cut to match cable dimension



Finger-safe as per DIN EN 50274

Flexible installation thanks to screw fixture for plate mounting or TS35 DIN rail foot

### Approvals

- IEC 60947-7-1
- IEC 61238-1 (Class A)
- UL-1059
- UL 486E
- CSA C22.2 No.158-10

### Conformity

CE

RoHS 2011/65/EU

REACH

## PRODUCT ORDERING INFORMATION

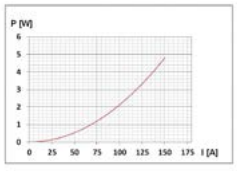
| | Main Cross section | Tapping | Spacing | | Current IEC | Current UL | Voltage IEC/UL | Function | Color | Type | Part Number | | Accessories Cover/Markers | Packing |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | mm²/AWG | mm²/AWG | mm | in | Cu/AL | Cu/AL | V | | | | | | | |
| 50 mm², Single pole | 4-35 / 12-2 | - | 22 | 0.87 | 150 / 150 A | 150 / 120 A | 1000 / 1000 | | Grey | CBS50-2P | 1SNF516011R0000 | | | 9 |
| | | | | | | | | | Grey/Blue | CBS50-2P-BL | 1SNF516021R0000 | | CBS50-Cover (54 Pcs/Pkg) 1SNF916710R0000 | 9 |
| | | | | | | | | | Grey/Green | CBS50-2P-GR | 1SNF516031R0000 | | VYT0512: 12x5 mm Self-adhesive white label 1SNA235837R0000 | 9 |
| 50 mm², Double pole | 6-50 / 10-0 | | 35.6 | 1.4 | | | | | Grey | CBS50-4P | 1SNF516111R0000 | | | 5 |
| | | | | | | | | | Grey/Blue | CBS50-4P-BL | 1SNF516121R0000 | | | 5 |
| | | | | | | | | | Grey/Green | CBS50-4P-GR | 1SNF516131R0000 | | | 5 |
| 95 mm², Single pole | 10-70 / 8-00 | 1.5-6 / 10-16 | 25.5 | 1 | 232 / 200 A | 200 / 155 A | 1000 / 1000 | | Grey | CBS95-2P | 1SNF526011R0000 | | CBS95-Cover (20 Pcs/Pkg) 1SNF926710R0000 | 2 |
| | | | | | | | | | Grey/Blue | CBS95-2P-BL | 1SNF526021R0000 | | | 2 |
| | | | | | | | | | Grey/Green | CBS95-2P-GR | 1SNF526031R0000 | | TAA0917: 17x9 mm Self-adhesive rigid white label 1SNA235776R0000 | 2 |
| 95 mm², Double pole | 16-95 / 6-000 | 1.5-10 / 8-16 | 47 | 1.85 | | | | | Grey | CBS95-4P | 1SNF526111R0000 | | | 1 |
| | | | | | | | | | Grey/Blue | CBS95-4P-BL | 1SNF526121R0000 | | VYT0817: 17x8 mm Self-adhesive white label 1SNA235844R0000 | 1 |
| | | | | | | | | | Grey/Green | CBS95-4P-GR | 1SNF526131R0000 | | | 1 |
| 185 mm², Single pole | 35-150 / 00-300 Kcmil | 1.5-6 / 8-16 | 37.5 | 1.47 | 353 A /- | 310/ 250 A | 1000/ 1000 | | Grey | CBS185-2P | 1SNF536011R0000 | | CBS185-Cover (12 Pcs/Pkg) 1SNF936710R0000 | 1 |
| | | | | | | | | | | | | | TAA0917: 17x9 mm Self-adhesive rigid white label 1SNA235776R0000 | |
| | 95-185 / 000-350 Kcmil | 1.5-10 / 10-16 | | | | | | | Grey/Blue | CBS185-2P-BL | 1SNF536021R0000 | | VYT0817: 17x8 mm Self-adhesive white label 1SNA235844R0000 | 1 |
| 300 mm², Single pole | 50-240 / 250-500 Kcmil | 1.5-6 / 8-16 | 45 | 1.77 | 520 A/- | 420/ 340 A | 1000/ 1000 | | Grey | CBS300-2P | 1SNF546011R0000 | | CBS300-Cover (8 Pcs/Pkg) 1SNF946710R0000 | 1 |
| | | | | | | | | | | | | | TAA0917: 17x9 mm Self-adhesive white label 1SNA235776R0000 | |
| | 150-300 / 300-600 Kcmil | 1.5-10 / 10-16 | | | | | | | Grey/Blue | CBS300-2P-BL | 1SNF546021R0000 | | VYT0817: 17x8 mm Self-adhesive white label 1SNA235844R0000 | 1 |

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

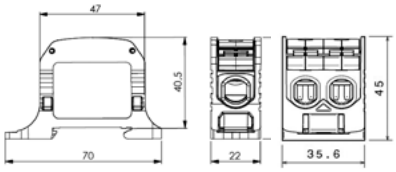
## DIMENSIONS & ELECTRICAL CHARACTERISTICS

### Power loss for single pole & double pole

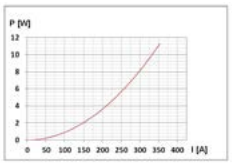
#### 50 mm²



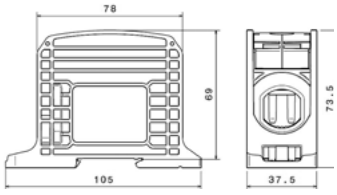

Dimensions



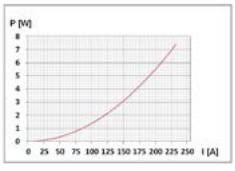

#### 185 mm²



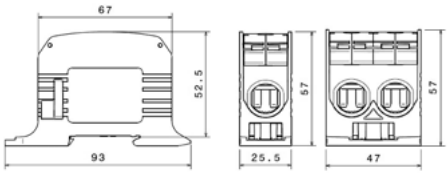

Dimensions



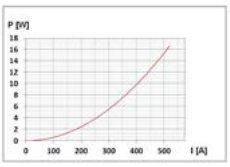

#### 95 mm²



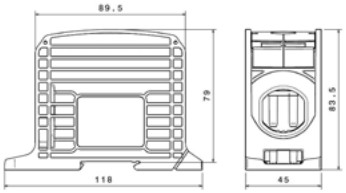

Dimensions




#### 300 mm²




Dimensions



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**INDUSTRIAL / ENTRELEC COMPACT POWER BLOCKS / BROCHURE / EN** **03/22**

**BROCHURE**

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