

NEW RANGE OF ALUMINUM POWER BLOCKS ECONOMIC SOLUTION IN COMPACT FOOTPRINT



FROM 105A TO 860A IEC AND FROM 85A TO 545A UL

FEATURES:

- Very compact power blocks
- High short-circuit current rating (up to 100kA)
- Multiple connection possibilities, including:
 - Cable to Cable
 - Cable to two cables
 - Cable to nVent ERIFLEX Flexibar or IBSB/IBSBR power braid
- Visual inspection of wire and confirmation of connection
- Halogen free
- IP 20 UL® finger safe
- 95% fill ratio
- Tinned aluminum block for use with copper or aluminum cables
- RoHS compliant
- Self extinguishing: UL94 V-0
- Tested and certified according to IEC 60947-7-1
 - $U_i=1000V$ AC / $1500V$ DC (all models)
- UL® Recognized for US & Canada per UL 1059
 - $V_{in} = 1250V$ AC/DC (SB125AL, SB250AL, SB400AL, SB630AL)
 - $V_{in} = 1000V$ AC/DC (all other models)

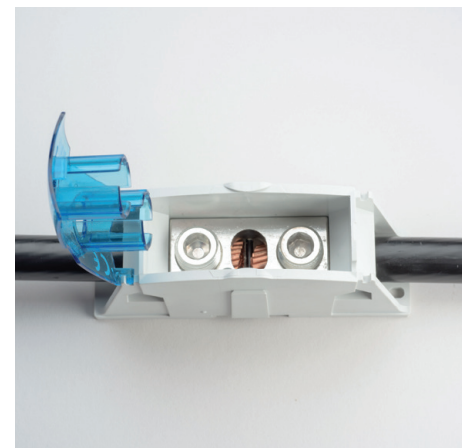
AVAILABLE ON SELECT MODELS:























Flexibar or IBSB/IBSBR compatible



Two outputs available

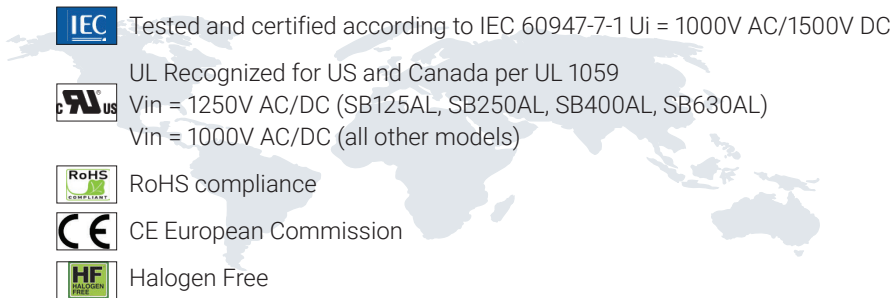



Patented screw-retaining feature


| Model | Part No | IEC® current rating | UL® current rating | Max cross section | | Max cross section | | IEC Ipk | UL SCCR* | | |
|-------------------------|---------|--------------------------|--------------------------|--|-------------------------|-------------------|---|---|---------------|-------|--------|
| Power Block SB 80AL | 561160 | 105 A | 85 A |  | 16 mm ² | 4 AWG |  | 16 mm ² | 4 AWG | 22 kA | 100 kA |
| Power Block SB 125AL | 561161 | 185 A | 150 A |  | 35 mm ² | 1/0 AWG |  | 35 mm ² | 1/0 AWG | 22 kA | 100 kA |
| Power Block SB160AL | 561162 | 230 A | 200 A |  | 70 mm ² | 3/0 AWG |  | 70 mm ² | 3/0 AWG | 42 kA | 100 kA |
| Power Block SB250AL | 561163 | 400 A | 255 A |  | 120 mm ² | 250 Kcmil |  | 120 mm ² | 250 Kcmil | 42 kA | 100 kA |
| Power Block SB 400AL | 561164 | 610 A | 335 A |  | 240 mm ² | 400 Kcmil |  | 240 mm ² | 400 Kcmil | 51 kA | 100 kA |
| Power Block SBF 400AL | 561165 | 510 A FLEX 450 A IBSB | 335 A FLEX 240 A IBSB |  | 240 mm ² | 400 Kcmil |  | Flexibar 5x24x1 (120 mm ²) IBSB/IBSBR 100 (100 mm ²) | | 51 kA | 100 kA |
| Power Block SB2C 400AL | 561166 | 670 A | 335 A |  | 240 mm ² | 400 Kcmil |  | 2 x 120 mm ² | 2 x 250 Kcmil | 51 kA | 100 kA |
| Power Block SBF2C 400AL | 561167 | 550 A FLEX 480 A IBSB | 335 A |  | 2 x 120 mm ² | 2 x 250 Kcmil |  | Flexibar 5x24x1 (120 mm ²) IBSB/IBSBR 100 (100 mm ²) | | 51 kA | 100 kA |
| Power Block SB 630AL | 561168 | 860 A | 545 A |  | 500 mm ² | 1000 Kcmil |  | 500 mm ² | 1000 Kcmil | 51 kA | 100 kA |
| Power Block SBF 630AL | 561169 | 760 A FLEX 750 A IBSB | 490 A FLEX 410 A IBSB |  | 500 mm ² | 1000 Kcmil |  | Flexibar 8x32x1 (256 mm ²) IBSB/IBSBR 240 (240 mm ²) | | 51 kA | 100 kA |


*Refer to UL file E198301 for conditions of acceptance


Worldwide Certification & Approvals




 Tested and certified according to IEC 60947-7-1 Ui = 1000V AC/1500V DC

 UL Recognized for US and Canada per UL 1059
 Vin = 1250V AC/DC (SB125AL, SB250AL, SB400AL, SB630AL)
 Vin = 1000V AC/DC (all other models)

 RoHS compliance

 CE European Commission

 Halogen Free

IEC is a registered trademark of International Electrotechnical Commission.
 UL is a registered trademark of UL LLC.