

nVent ERIFLEX Splice Block Range Extension

COMPLETE AND UNIQUE RANGE OF UL & IEC
HIGH POWER SPLICE BLOCK UP TO 1940 A



nVent ERIFLEX Power Blocks are the main DIN mounted output/input devices for connection between primary and secondary switchboard, or main input/output connection for machine or industrial equipment (such as inverter, air conditioning machines, etc.). The high short circuit rated large cross-section blocks offer time savings and reliability in every panel configuration. The complete Power Blocks range offers multiple connection possibilities with one cable up to four cables, or nVent ERIFLEX Flexibar Advanced or IBS/IBSB Advanced power braids.

















The new range extension is for panel board, energy, machinery, industry building, and transportation markets.

FEATURES

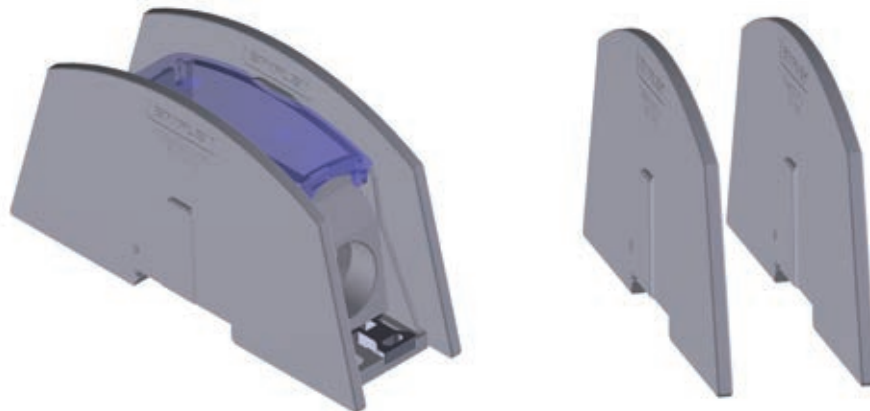
The full range includes now 28 Splice Blocks, some presenting very unique features.

- 8 new power blocks that cover the ampacity range from 110 A to 1940 A as per IEC ratings and from 85 A to 1680 A as per UL.
- Multiple connection possibilities including:
 - Cable to Cable
 - Cable to up to 4 cable
 - Flat Conductors Flexibar or IBS/IBSB Advanced power braid to cable up to 4 cables
- Compact power block with high short circuit current rating
- Tinned copper or tinned aluminum block for use with copper or aluminium cables
- Screw retaining cover is hinged and removable
- Design allows for visual inspection of conductor and confirmation of connection
- Stackable for building multi-pole power blocks
- Easily clips onto DIN rail or mounts to panel with screws
- Voltage detection and measurement connection
- 95% fill ratio
- IP 20 Slider* : to ensure positioning IP20 finger safe feature with all conductors
- Halogen-free
- RoHS compliant

PRODUCT RANGE PRESENTATION

| Model | SBF250 | SBF2C250 | SB2C250 | SBF2C630AL | SB2C100AL | SB2C2C1000AL | SBF3C1000AL | SBF4C1600AL |
|--------------------------|---|---|---|---|---|---|---|---|
| Part n° | 561171 | 561172 | 561170 | 561173 | 561174 | 561175 | 561176 | 561177 |
| Max IEC Current | 380A | 500A | 550A | 930A | 1020A | 1150A | 1420A | 1940A |
| Max UL Current | 255 A | 255 A | 255 A | 760 A | 545 A | 840 A | 1260 A | 1680 A |
| Max Cross Section Input | Flexibar Advanced 5x20x1 IBS / IBSB Advanced 70mm ² | Flexibar Advanced 5x20x1 IBS / IBSB Advanced 70mm ² | 120 mm ² 250 kcmil | Flexibar Advanced 8x32x1 IBS / IBSB Advanced 240mm ² | 500 mm ² 1000 kcmil | 2 X 300 mm ² 2 X 600 kcmil | Flexibar Advanced 10 X 50 X 1 | Flexibar Advanced 10 X 80 X 1 |
| |  |  |  |  |  |  |  |  |
| Max Cross Section Output | 120 mm ² 250 kcmil | 2 x 120 mm ² 2 x 250 kcmil | 2x120 mm ² 2x250 kcmil | 2 x 240 mm ² 2 x 500 kcmil | 2 X 300 mm ² 2 X 600 kcmil | 2 X 300 mm ² 2 X 600 kcmil | 3 X 300 mm ² 3 X 600 kcmil | 4 X 300 mm ² 4 X 600 kcmil |
| |  |  |  |  |  |  |  |  |

New SBF250 blocks are List per UL1953, when used with **SB250SPCR Spacers**.



CERTIFICATIONS

nVent ERIFLEX Power Blocks are tested and certified according to:

- IEC 60947-7-1 Ui = 1000 V AC/1500 V DC
- UL 1059 Vin = 1250V AC/DC (SB125, SB250, SB400, SB630) Vin = 1000V AC/DC (all other models)
- UL 1953 Vin = 1250V AC/DC (New SB's, SBF250 together with spacers) Vin = 1000V AC/DC (SBF250 without spacers)



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