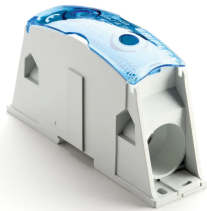


# Power Block, Cable-Cable, 500 A IEC, Aluminum

## Data Solutions

### NÚMERO DE CATÁLOGO

### SB400AL



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 types with up to four cables, nVent ERIFLEX Flexibar Advanced, or IBSB Advanced power braids.

### CERTIFICATIONS



### CARACTERÍSTICAS

Can be connected with round cross section cable or flat connection system like nVent ERIFLEX Flexibar Advanced or IBSB Advanced Insulated Braided Conductor

Compact power block with high short circuit current rating

Tinned copper or aluminum block allows for copper or aluminum conductor direct connections, or using ferrule

Screw retaining cover is hinged and removable

Design allows for visual inspection of conductor and confirmation of connection

Modular snap-together blocks 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

RoHS compliant

Conforms to EN 45545 obtaining an HL3 classification for chapter R23 and HL2 classification for chapter R22

Halogen free plastic housing excluding the blue protection cover

## CARATERÍSTICAS DO PRODUTO

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Número do artigo: 561164

Acabamento: Tinned

Tipo: Cable-Cable

Typical Application Current Rating, IEC: 500A

Material: Alumínio; Termoplástico

Line Side Max Conductor Size, IEC: 240 mm<sup>2</sup>

Load Side Max Conductor Size, IEC: 240 mm<sup>2</sup>

Short Term Withstand Current (I<sub>cw</sub>) 1s: 28.8kA

Max Current Rating, IEC: 610A

Max Current Rating, UL/CSA: 335A

Peak Short Circuit Current (I<sub>pk</sub>): 51kA

Rated Conditional Short-Circuit Current (I<sub>cc</sub>): 24.3kA

Classificação de corrente de curto-circuito (SCCR): 100kA

Max Working Voltage, IEC (U<sub>i</sub>): 1000; 1500

Max Working Voltage, UL (V<sub>in</sub>): 1250

Line Side Number of Connections: 1

Line Side Compact Stranded Wire Size: 95 - 240 mm<sup>2</sup>; 3/0 - 400 kcmil

Load Side Compact Stranded Wire Size: 95 - 240 mm<sup>2</sup>; 3/0 - 400 kcmil

Load Side Number of Connections: 1

Load Side Stranded Wire Size - Ferrule: 95 - 240 mm<sup>2</sup>

Profundidade (D): 82mm

Altura (H): 146.4mm

Largura (W): 41.5mm

Peso unitário: 0.25kg

Certification Details: UL® 1059

Em conformidade com: IEC® 60947-7-1

Classificação do gabinete: IP 20

Flammability Rating: UL® 94V-0

## DETALHES ADICIONAIS DO PRODUTO

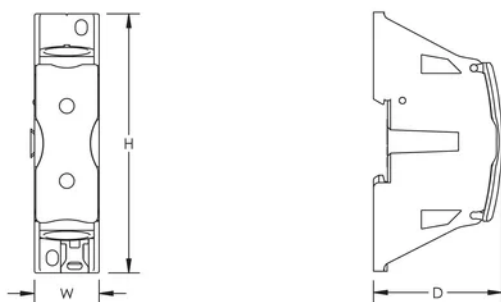
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SBF250 is UL® 1953 Listed when used with SB250SPCR. Max Working Voltage for UL 1953 applications is 1250 VAC/DC.

Blue protection cover is less than 7% of the overall product weight.

## DIAGRAMAS

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## AVISO

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Os produtos nVent devem ser instalados e utilizados apenas conforme indicado nas fichas de instrução do produto e materiais de treinamento da nVent. As fichas de instrução estão disponíveis em [www.nVent.com](http://www.nVent.com) e com nossos representantes de atendimento ao cliente nVent. A instalação inadequada, uso incorreto, aplicação incorreta ou outra falha qualquer em seguir completamente as instruções e avisos da nVent podem levar ao mau funcionamento do produto, danos à propriedade, lesões corporais graves e morte, e/ou anular sua garantia.



O nosso forte portefólio de marcas:

**CADDY ERICO HOFFMAN ILSCO SCHROFF TRACHTE**