

# Voedingsblok



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.

## CERTIFICERINGEN



## KENMERKEN

RoHS-conform

Halogeenvrij

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

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

## SPECIFICATIES

**Voltooiën:** Ingeblikt

Table 1/2						
Catalogusnummer	Artikelnummer	Type	Standaard stroomspecificatie voor toepassingen, IEC	Materiaal	Max. Geleidergrootte lijnzijde, IEC	Max. Geleiderdiameter lastzijde, IEC
SB80AL	561160	Kabel-kabel	100 A	Aluminum, Thermoplastisch	16 mm <sup>2</sup>	16 mm <sup>2</sup>
SB125AL	561161	Kabel-kabel	180 A	Aluminum, Thermoplastisch	35 mm <sup>2</sup>	35 mm <sup>2</sup>
SB80	561150	Kabel-kabel	100 A	Copper, Thermoplastisch	16 mm <sup>2</sup>	16 mm <sup>2</sup>
SB125	561158	Kabel-kabel	170 A	Copper, Thermoplastisch	35 mm <sup>2</sup>	35 mm <sup>2</sup>
SB160AL	561162	Kabel-kabel	230 A	Aluminum, Thermoplastisch	70 mm <sup>2</sup>	70 mm <sup>2</sup>
SB250AL	561163	Kabel-kabel	400 A	Aluminum, Thermoplastisch	120 mm <sup>2</sup>	120 mm <sup>2</sup>
SB160	561151	Kabel-kabel	250 A	Copper, Thermoplastisch	70 mm <sup>2</sup>	70 mm <sup>2</sup>
SB400AL	561164	Kabel-kabel	500 A	Aluminum, Thermoplastisch	240 mm <sup>2</sup>	240 mm <sup>2</sup>
SBF250	561171	Flexibar-kabel	250 A	Copper, Thermoplastisch	70 mm <sup>2</sup>	120 mm <sup>2</sup>
SBF400AL	561165	Flexibar-kabel	400 A	Aluminum, Thermoplastisch	100 mm <sup>2</sup>	240 mm <sup>2</sup>
SB250	561159	Kabel-kabel	400 A	Copper, Thermoplastisch	120 mm <sup>2</sup>	120 mm <sup>2</sup>
SB2C400AL	561166	Kabel-2 kabels	400 A	Aluminum, Thermoplastisch	240 mm <sup>2</sup>	(2) 120 mm <sup>2</sup>

Catalogusnummer	Artikelnummer	Type	Standaard stroomspecificatie voor toepassingen, IEC	Materiaal	Max. Geleidergrootte lijnzijde, IEC	Max. Geleiderdiameter lastzijde, IEC
SBF2C400AL	561167	Flexibar-2 kabels	400 A	Aluminum, Thermoplastisch	100 mm <sup>2</sup>	(2) 120 mm <sup>2</sup>
SB2C250	561170	Kabel-2 kabels	400 A	Copper, Thermoplastisch	120 mm <sup>2</sup>	(2) 120 mm <sup>2</sup>
SBF2C250	561172	Flexibar-2 kabels	400 A	Copper, Thermoplastisch	70 mm <sup>2</sup>	(2) 120 mm <sup>2</sup>
SB400	561152	Kabel-kabel	500 A	Copper, Thermoplastisch	240 mm <sup>2</sup>	240 mm <sup>2</sup>
SBF400	561153	Flexibar-kabel	400 A	Copper, Thermoplastisch	100 mm <sup>2</sup>	240 mm <sup>2</sup>
SB630AL	561168	Kabel-kabel	630 A	Aluminum, Thermoplastisch	500 mm <sup>2</sup>	500 mm <sup>2</sup>
SBF630AL	561169	Flexibar-kabel	630 A	Aluminum, Thermoplastisch	240 mm <sup>2</sup>	500 mm <sup>2</sup>
SBF2C630AL	561173	Flexibar-2 kabels	800 A	Aluminum, Thermoplastisch	240 mm <sup>2</sup>	240 mm <sup>2</sup>
SB2C2C1000AL	561175	2 Kabels-2 Kabels	1000 A	Aluminum, Thermoplastisch	(2) 300 mm <sup>2</sup>	(2) 300 mm <sup>2</sup>
SB2C400	561154	Kabel-2 kabels	400 A	Copper, Thermoplastisch	240 mm <sup>2</sup>	(2) 120 mm <sup>2</sup>
SB2C1000AL	561174	Kabel-2 kabels	1000 A	Aluminum, Thermoplastisch	500 mm <sup>2</sup>	(2) 300 mm <sup>2</sup>
SBF2C400	561155	Flexibar-2 kabels	400 A	Copper, Thermoplastisch	100 mm <sup>2</sup>	(2) 120 mm <sup>2</sup>
SBF3C1000AL	561176	Flexibar-3 kabels	1000 A	Aluminum, Thermoplastisch	500 mm <sup>2</sup>	(3) 300 mm <sup>2</sup>

Catalogusnummer	Artikelnummer	Type	Standaard stroomspecificatie voor toepassingen, IEC	Materiaal	Max. Geleidergrootte lijnzijde, IEC	Max. Geleiderdiameter lastzijde, IEC
SBF4C1600AL	561177	Flexibar-4 kabels	1600 A	Aluminum, Thermoplastisch	800 mm <sup>2</sup>	(4) 300 mm <sup>2</sup>
SBF630	561157	Flexibar-kabel	630 A	Copper, Thermoplastisch	240 mm <sup>2</sup>	500 mm <sup>2</sup>
SB630	561156	Kabel-kabel	630 A	Copper, Thermoplastisch	500 mm <sup>2</sup>	500 mm <sup>2</sup>

Table 2/2

Catalogusnummer	Artikelnummer	Kortstondige houdstroom (I <sub>cw</sub> ) 1s	Certificeringen
SB80AL	561160	3kA	UR, CE, ERIFLEX SB, cUR, RoHS
SB125AL	561161	6kA	CE, ERIFLEX SB, UR, cUR, RoHS
SB80	561150	3kA	RoHS, UR, CE, ERIFLEX SB
SB125	561158	6kA	RoHS, UR, CE, ERIFLEX SB
SB160AL	561162	14.4kA	CE, ERIFLEX SB, cUR, UR, RoHS
SB250AL	561163	14.4kA	CE, ERIFLEX SB, cUR, UR, RoHS
SB160	561151	14.4kA	RoHS, CE, ERIFLEX SB, UR
SB400AL	561164	28.8kA	CE, ERIFLEX SB, UR, cUR, RoHS
SBF250	561171	14.4kA	UL, RoHS, CE, ERIFLEX SB, UR, cUL, QPQS7.E497276
SBF400AL	561165	28.8kA	UR, CE, ERIFLEX SB, cUR, RoHS
SB250	561159	14.4kA	RoHS, UR, CE, ERIFLEX SB
SB2C400AL	561166	28.8kA	UR, CE, ERIFLEX SB, cUR, RoHS

Catalogusnummer	Artikelnummer	Kortstondige houdstroom (Icw) 1s	Certificeringen
SBF2C400AL	561167	28.8kA	CE, ERIFLEX SB, cUR, UR, RoHS
SB2C250	561170	14.4kA	RoHS, UL, cUL, QPQS7.E497276, CE, ERIFLEX SB
SBF2C250	561172	14.4kA	CE, ERIFLEX SB, cUL, QPQS7.E497276, UL, RoHS
SB400	561152	28.8kA	RoHS, UR, CE, ERIFLEX SB
SBF400	561153	28.8kA	RoHS, CE, ERIFLEX SB, UR
SB630AL	561168	60kA	UR, cUR, CE, ERIFLEX SB, RoHS
SBF630AL	561169	60kA	RoHS, UR, CE, ERIFLEX SB, cUR
SBF2C630AL	561173	60kA	UL, RoHS, CE, ERIFLEX SB, cUL, QPQS7.E497276
SB2C2C1000AL	561175	72kA	CE, ERIFLEX SB, cUL, QPQS7.E497276, UL, RoHS
SB2C400	561154	28.8kA	RoHS, CE, ERIFLEX SB, UR
SB2C1000AL	561174	72kA	cUL, QPQS7.E497276, CE, ERIFLEX SB, RoHS, UL
SBF2C400	561155	28.8kA	RoHS, CE, ERIFLEX SB, UR
SBF3C1000AL	561176	72kA	CE, ERIFLEX SB, cUL, QPQS7.E497276, UL, RoHS
SBF4C1600AL	561177	96kA	UL, RoHS, cUL, QPQS7.E497276, CE, ERIFLEX SB
SBF630	561157	60kA	CE, ERIFLEX SB, UR, RoHS
SB630	561156	60kA	RoHS, CE, ERIFLEX SB, UR

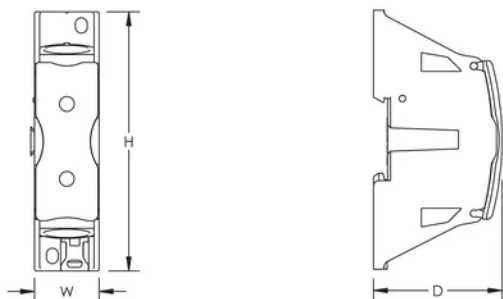
## AANVULLENDE PRODUCTGEGEVENS

SBF250 ist UL® 1953 gelistet bei Verwendung mit SB250SPCR. Die maximale Betriebsspannung für UL-1953 Anwendungen ist 1250 VAC/DC.

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

Design Guideline for Distribution Blocks, Power Blocks and Power Terminals										
Derating according to Ambient* Temperature (°C) to maintain working temperature of 85°C										
Ambient Temperature (°C)	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°
Derating Coefficient (d)	1	1	1	0,94	0,88	0,82	0,75	0,67	0,58	0,47
*environment around the terminal blocks inside the enclosure										

## DIAGRAMMEN



## WAARSCHUWING

nVent-producten moeten alleen worden geïnstalleerd en gebruikt zoals aangegeven in de instructiebladen en trainingsmateriaal van nVent. Instructiebladen zijn beschikbaar op [www.nvent.com](http://www.nvent.com) en bij uw nVent klantenservicevertegenwoordiger. Onjuiste installatie, misbruik, verkeerde toepassing of ander falen om de instructies en waarschuwingen van nVent volledig te volgen, kan leiden tot productstoringen, schade aan eigendommen, ernstig lichamelijk letsel en de dood en/of uw garantie ongeldig maken.

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Ons krachtige merkenportfolio:

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