# Voedingsblok

## Data Solutions

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 invertor, 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

**Afwerking:** Vertind

Table 1/2

| Catalogusnummer | Artikelnummer | Type | Nominale stroom standaardtoepassing, IEC | Materiaal | Max. geleidergrootte lijnzijde, IEC | Max. geleidergrootte belastingszijde, IEC |
|---|---|---|---|---|---|---|
| SB2C1000AL | 561174 | Kabel-2 kabels | 1000A | Aluminium, Thermoplastisch | 500 mm² | (2) 300 mm² |
| SB630 | 561156 | Kabel-kabel | 630A | Koper, Thermoplastisch | 500 mm² | 500 mm² |
| SB630AL | 561168 | Kabel-kabel | 630A | Aluminium, Thermoplastisch | 500 mm² | 500 mm² |
| SBF630AL | 561169 | Flexibar-kabel | 630A | Aluminium, Thermoplastisch | 240 mm² | 500 mm² |
| SBF630 | 561157 | Flexibar-kabel | 630A | Koper, Thermoplastisch | 240 mm² | 500 mm² |
| SB125 | 561158 | Kabel-kabel | 170A | Koper, Thermoplastisch | 35 mm² | 35 mm² |
| SB125AL | 561161 | Kabel-kabel | 180A | Aluminium, Thermoplastisch | 35 mm² | 35 mm² |
| SB2C2C1000AL | 561175 | 2 kabels-2 kabels | 1000A | Aluminium, Thermoplastisch | (2) 300 mm² | (2) 300 mm² |
| SB80 | 561150 | Kabel-kabel | 100A | Koper, Thermoplastisch | 16 mm² | 16 mm² |
| SB80AL | 561160 | Kabel-kabel | 100A | Aluminium, Thermoplastisch | 16 mm² | 16 mm² |
| SB160AL | 561162 | Kabel-kabel | 230A | Aluminium, Thermoplastisch | 70 mm² | 70 mm² |

| Catalogusnummer | Artikelnummer | Type | Nominale stroom standaardtoepassing, IEC | Materiaal | Max. geleidergrootte lijnzijde, IEC | Max. geleidergrootte belastingszijde, IEC |
|---|---|---|---|---|---|---|
| SB160 | 561151 | Kabel-kabel | 250A | Koper, Thermoplastisch | 70 mm² | 70 mm² |
| SBF250 | 561171 | Flexibar-kabel | 250A | Koper, Thermoplastisch | 70 mm² | 120 mm² |
| SB2C250 | 561170 | Kabel-2 kabels | 400A | Koper, Thermoplastisch | 120 mm² | (2) 120 mm² |
| SB250AL | 561163 | Kabel-kabel | 400A | Aluminium, Thermoplastisch | 120 mm² | 120 mm² |
| SB250 | 561159 | Kabel-kabel | 400A | Koper, Thermoplastisch | 120 mm² | 120 mm² |
| SBF2C250 | 561172 | Flexibar-2-kabels | 400A | Koper, Thermoplastisch | 70 mm² | (2) 120 mm² |
| SBF2C400 | 561155 | Flexibar-2-kabels | 400A | Koper, Thermoplastisch | 100 mm² | (2) 120 mm² |
| SBF400AL | 561165 | Flexibar-kabel | 400A | Aluminium, Thermoplastisch | 100 mm² | 240 mm² |
| SB2C400 | 561154 | Kabel-2 kabels | 400A | Koper, Thermoplastisch | 240 mm² | (2) 120 mm² |

Table 2/2

| Catalogusnummer | Artikelnummer | Type | Nominale stroom standaardtoepassing, IEC | Materiaal | Max. geleidergrootte lijnzijde, IEC | Max. geleidergrootte belastingszijde, IEC |
|---|---|---|---|---|---|---|
| SBF2C400AL | 561167 | Flexibar-2-kabels | 400A | Aluminium, Thermoplastisch | 100 mm² | (2) 120 mm² |
| SBF400 | 561153 | Flexibar-kabel | 400A | Koper, Thermoplastisch | 100 mm² | 240 mm² |
| SB2C400AL | 561166 | Kabel-2 kabels | 400A | Aluminium, Thermoplastisch | 240 mm² | (2) 120 mm² |

| Catalogusnummer | Artikelnummer | Type | Nominale stroom standaardtoepassing, IEC | Materiaal | Max. geleidergrootte lijnzijde, IEC | Max. geleidergrootte belastingszijde, IEC |
|---|---|---|---|---|---|---|
| SB400 | 561152 | Kabel-kabel | 500A | Koper, Thermoplastisch | 240 mm² | 240 mm² |
| SB400AL | 561164 | Kabel-kabel | 500A | Aluminium, Thermoplastisch | 240 mm² | 240 mm² |
| SBF2C630AL | 561173 | Flexibar-2-kabels | 800A | Aluminium, Thermoplastisch | 240 mm² | 240 mm² |
| SBF3C1000AL | 561176 | Flexibar-3-kabels | 1000A | Aluminium, Thermoplastisch | 500 mm² | (3) 300 mm² |
| SBF4C1600AL | 561177 | Flexibar-4-kabels | 1600A | Aluminium, Thermoplastisch | 800 mm² | (4) 300 mm² |

Table 1/2

| Catalogusnummer | Artikelnummer | Weerstand kortdurende stoomsterkte (Icw) 1s | Certificeringen |
|---|---|---|---|
| SB2C1000AL | 561174 | 72kA | RoHS, UL, cUL, QPQS7.E497276, CE, ERIFLEX SB |
| SB630 | 561156 | 60kA | CE, ERIFLEX SB, UR, RoHS |
| SB630AL | 561168 | 60kA | RoHS, cUR, CE, ERIFLEX SB, UR |
| SBF630AL | 561169 | 60kA | UR, CE, ERIFLEX SB, cUR, RoHS |
| SBF630 | 561157 | 60kA | UR, CE, ERIFLEX SB, RoHS |
| SB125 | 561158 | 6kA | UR, CE, ERIFLEX SB, RoHS |
| SB125AL | 561161 | 6kA | RoHS, cUR, UR, CE, ERIFLEX SB |
| SB2C2C1000AL | 561175 | 72kA | RoHS, UL, cUL, QPQS7.E497276, CE, ERIFLEX SB |
| SB80 | 561150 | 3kA | CE, ERIFLEX SB, UR, RoHS |
| SB80AL | 561160 | 3kA | RoHS, CE, ERIFLEX SB, UR, cUR |
| SB160AL | 561162 | 14.4kA | RoHS, CE, ERIFLEX SB, UR, cUR |

| Catalogusnummer | Artikelnummer | Weerstand kortdurende stoomsterkte (Icw) 1s | Certificeringen |
|---|---|---|---|
| SB160 | 561151 | 14.4kA | UR, CE, ERIFLEX SB, RoHS |
| SBF250 | 561171 | 14.4kA | cUL, QPQS7.E497276, UL, RoHS, CE, ERIFLEX SB, UR |
| SB2C250 | 561170 | 14.4kA | CE, ERIFLEX SB, cUL, QPQS7.E497276, RoHS, UL |
| SB250AL | 561163 | 14.4kA | CE, ERIFLEX SB, UR, cUR, RoHS |
| SB250 | 561159 | 14.4kA | RoHS, CE, ERIFLEX SB, UR |
| SBF2C250 | 561172 | 14.4kA | CE, ERIFLEX SB, cUL, QPQS7.E497276, UL, RoHS |
| SBF2C400 | 561155 | 28.8kA | RoHS, UR, CE, ERIFLEX SB |
| SBF400AL | 561165 | 28.8kA | RoHS, UR, CE, ERIFLEX SB, cUR |
| SB2C400 | 561154 | 28.8kA | UR, CE, ERIFLEX SB, RoHS |

Table 2/2

| Catalogusnummer | Artikelnummer | Weerstand kortdurende stoomsterkte (Icw) 1s | Certificeringen |
|---|---|---|---|
| SBF2C400AL | 561167 | 28.8kA | RoHS, cUR, UR, CE, ERIFLEX SB |
| SBF400 | 561153 | 28.8kA | UR, CE, ERIFLEX SB, RoHS |
| SB2C400AL | 561166 | 28.8kA | RoHS, UR, CE, ERIFLEX SB, cUR |
| SB400 | 561152 | 28.8kA | RoHS, CE, ERIFLEX SB, UR |
| SB400AL | 561164 | 28.8kA | CE, ERIFLEX SB, UR, cUR, RoHS |
| SBF2C630AL | 561173 | 60kA | CE, ERIFLEX SB, UL, RoHS, cUL, QPQS7.E497276 |
| SBF3C1000AL | 561176 | 72kA | cUL, QPQS7.E497276, UL, RoHS, CE, ERIFLEX SB |
| SBF4C1600AL | 561177 | 96kA | UL, RoHS, cUL, QPQS7.E497276, CE, ERIFLEX SB |

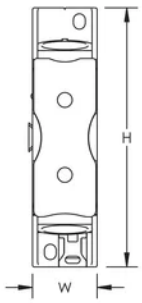
## AANVULLENDE PRODUCTGEGEVENS

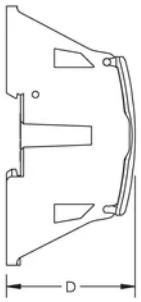
SBF250 ist UL® 1953 gelistet bei Verwendung mit SB250SPCR. Die maximale Betriebsspannung für UL-1953 Anwendungen ist 1250 VAC/DC.

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 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.

Ons krachtige merkenportfolio:

CADDY ERICO HOFFMAN ILSCO SCHROFF TRACHTE

©2026 nVent. Alle nVent-merken en -logo's zijn eigendom van of in licentie gegeven door nVent Services GmbH of haar gelieerde ondernemingen. Alle andere handelsmerken zijn het eigendom van hun respectieve eigenaren. nVent behoudt zich het recht voor om specificaties zonder kennisgeving te wijzigen.

Dit document is door het systeem gegenereerd.