

Power Block

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 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.

CERTIFIERINGAR



DESIGN

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

SPECIFIKATIONER

Yta: Förtentat

Table 1/2

Katalognummer	Artikelnummer	Typ	Märkström vid vanlig tillämpning, IEC	Material	Max. ledarstorlek för ledningssida, IEC	Max. ledarstorlek för belastningssida, IEC
SB125AL	561161	Kabel-till-kabel	180A	Aluminium, Termoplast	35 mm ²	35 mm ²
SB80	561150	Kabel-till-kabel	100A	Koppar, Termoplast	16 mm ²	16 mm ²
SB80AL	561160	Kabel-till-kabel	100A	Aluminium, Termoplast	16 mm ²	16 mm ²
SB125	561158	Kabel-till-kabel	170A	Koppar, Termoplast	35 mm ²	35 mm ²
SB160AL	561162	Kabel-till-kabel	230A	Aluminium, Termoplast	70 mm ²	70 mm ²
SB250AL	561163	Kabel-till-kabel	400A	Aluminium, Termoplast	120 mm ²	120 mm ²
SB160	561151	Kabel-till-kabel	250A	Koppar, Termoplast	70 mm ²	70 mm ²
SB400AL	561164	Kabel-till-kabel	500A	Aluminium, Termoplast	240 mm ²	240 mm ²
SBF250	561171	Flexbar-kabel	250A	Koppar, Termoplast	70 mm ²	120 mm ²
SBF400AL	561165	Flexbar-kabel	400A	Aluminium, Termoplast	100 mm ²	240 mm ²
SB250	561159	Kabel-till-kabel	400A	Koppar, Termoplast	120 mm ²	120 mm ²
SB2C400AL	561166	Kabel-2-kablar	400A	Aluminium, Termoplast	240 mm ²	(2) 120 mm ²
SBF2C400AL	561167	Flexibar-2-kablar	400A	Aluminium, Termoplast	100 mm ²	(2) 120 mm ²
SB2C250	561170	Kabel-2-kablar	400A	Koppar, Termoplast	120 mm ²	(2) 120 mm ²

Katalognummer	Artikelnummer	Typ	Märkström vid vanlig tillämpning, IEC	Material	Max. ledarstorlek för ledningssida, IEC	Max. ledarstorlek för belastningssida, IEC
SBF2C250	561172	Flexibar-2-kablar	400A	Koppar, Termoplast	70 mm ²	(2) 120 mm ²
SB400	561152	Kabel-till-kabel	500A	Koppar, Termoplast	240 mm ²	240 mm ²
SBF400	561153	Flexbar-kabel	400A	Koppar, Termoplast	100 mm ²	240 mm ²
SB630AL	561168	Kabel-till-kabel	630A	Aluminium, Termoplast	500 mm ²	500 mm ²
SBF630AL	561169	Flexbar-kabel	630A	Aluminium, Termoplast	240 mm ²	500 mm ²
SBF2C630AL	561173	Flexibar-2-kablar	800A	Aluminium, Termoplast	240 mm ²	240 mm ²
SB2C2C1000AL	561175	2 kablar – 2 kablar	1000A	Aluminium, Termoplast	(2) 300 mm ²	(2) 300 mm ²
SB2C400	561154	Kabel-2-kablar	400A	Koppar, Termoplast	240 mm ²	(2) 120 mm ²
SB2C1000AL	561174	Kabel-2-kablar	1000A	Aluminium, Termoplast	500 mm ²	(2) 300 mm ²
SBF2C400	561155	Flexibar-2-kablar	400A	Koppar, Termoplast	100 mm ²	(2) 120 mm ²
SBF3C1000AL	561176	Flexibar-3-kablar	1000A	Aluminium, Termoplast	500 mm ²	(3) 300 mm ²
SB630	561156	Kabel-till-kabel	630A	Koppar, Termoplast	500 mm ²	500 mm ²
SBF4C1600AL	561177	Flexibar-4-kablar	1600A	Aluminium, Termoplast	800 mm ²	(4) 300 mm ²
SBF630	561157	Flexbar-kabel	630A	Koppar, Termoplast	240 mm ²	500 mm ²

Table 2/2

Katalognummer	Artikelnummer	Kortsiktig hållström (Icw) 1s	Certifieringar
SB125AL	561161	6kA	UR, RoHS, CE, ERIFLEX SB, cUR
SB80	561150	3kA	RoHS, UR, CE, ERIFLEX SB

Katalognummer	Artikelnummer	Kortsiktig hållström (Icw) 1s	Certifieringar
SB80AL	561160	3kA	RoHS, UR, cUR, CE, ERIFLEX SB
SB125	561158	6kA	CE, ERIFLEX SB, UR, RoHS
SB160AL	561162	14.4kA	cUR, UR, RoHS, CE, ERIFLEX SB
SB250AL	561163	14.4kA	cUR, UR, RoHS, CE, ERIFLEX SB
SB160	561151	14.4kA	RoHS, CE, ERIFLEX SB, UR
SB400AL	561164	28.8kA	UR, CE, ERIFLEX SB, cUR, RoHS
SBF250	561171	14.4kA	UL, UR, cUL, QPQS7.E497276, CE, ERIFLEX SB, RoHS
SBF400AL	561165	28.8kA	RoHS, CE, ERIFLEX SB, UR, cUR
SB250	561159	14.4kA	UR, RoHS, CE, ERIFLEX SB
SB2C400AL	561166	28.8kA	cUR, RoHS, UR, CE, ERIFLEX SB
SBF2C400AL	561167	28.8kA	cUR, UR, RoHS, CE, ERIFLEX SB
SB2C250	561170	14.4kA	RoHS, CE, ERIFLEX SB, UL, cUL, QPQS7.E497276
SBF2C250	561172	14.4kA	RoHS, UL, cUL, QPQS7.E497276, CE, ERIFLEX SB
SB400	561152	28.8kA	RoHS, UR, CE, ERIFLEX SB
SBF400	561153	28.8kA	RoHS, CE, ERIFLEX SB, UR
SB630AL	561168	60kA	RoHS, UR, CE, ERIFLEX SB, cUR
SBF630AL	561169	60kA	CE, ERIFLEX SB, cUR, UR, RoHS
SBF2C630AL	561173	60kA	UL, cUL, QPQS7.E497276, RoHS, CE, ERIFLEX SB

Katalognummer	Artikelnummer	Kortsiktig hållström (Icw) 1s	Certifieringar
SB2C2C1000AL	561175	72kA	UL, cUL, QPQS7.E497276, RoHS, CE, ERIFLEX SB
SB2C400	561154	28.8kA	RoHS, UR, CE, ERIFLEX SB
SB2C1000AL	561174	72kA	UL, cUL, QPQS7.E497276, RoHS, CE, ERIFLEX SB
SBF2C400	561155	28.8kA	RoHS, CE, ERIFLEX SB, UR
SBF3C1000AL	561176	72kA	CE, ERIFLEX SB, UL, cUL, QPQS7.E497276, RoHS
SB630	561156	60kA	RoHS, UR, CE, ERIFLEX SB
SBF4C1600AL	561177	96kA	UL, cUL, QPQS7.E497276, RoHS, CE, ERIFLEX SB
SBF630	561157	60kA	RoHS, CE, ERIFLEX SB, UR

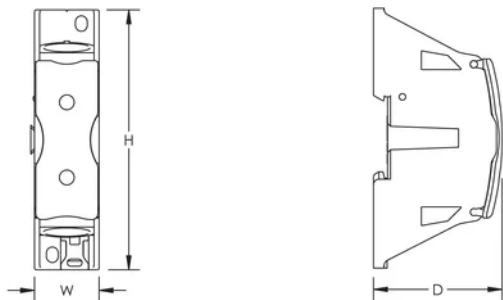
YTTERLIGARE PRODUKTINFORMATION

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.

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										

DIAGRAMS



VARNING

nVent produkter ska installeras och användas endast så som anges i nVents bruksanvisning och utbildningsmaterial. Bruksanvisningar är tillgängliga på www.nvent.com och från din nVent kundtjänstrepresentant. Felaktig installation, missbruk, felapplicering eller annan brist i att helt följa nVents instruktioner och varningar kan orsaka att produkten brister, egendomsskador, allvarliga kroppsskador och dödsfall och/eller ogiltigförklara din garanti.



Vårt starka utbud av varumärken:

CADDY ERICO HOFFMAN ILSCO SCHROFF TRACHTE