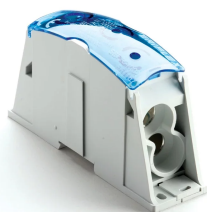


POWER BLOCK, FLEXIBAR-2 CABLES, 400 A IEC, ALUMINUM

CODICE A CATALOGO

SBF2C400AL



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



CARATTERISTICHE

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

ATTRIBUTI DEL PRODOTTO

Article Number: 561167

Finish: Tinned

Type: Flexibar-2 Cables

Typical Application Current Rating, IEC: 400A

Material: Aluminum; Thermoplastic

Line Side Max Conductor Size, IEC: 100 mm²

Load Side Max Conductor Size, IEC: (2) 120 mm²

Short Term Withstand Current (I_{cw}) 1s: 28.8kA

Max Current Rating, Insulated Power Braid, IEC: 480A

Max Current Rating, nVent ERIFLEX Flexibar, IEC: 550A

Max Current Rating, UL/CSA: 335A

Peak Short Circuit Current (I_{pk}): 51kA

Rated Conditional Short-Circuit Current (I_{cc}): 24.3kA

Short Circuit Current Rating (SCCR): 100kA

Max Working Voltage, IEC (U_i): 1000; 1500

Max Working Voltage, UL (V_{in}): 1000

Line Side Number of Connections: 1

Line Side Insulated Power Braid Cross Section: 100mm²

Line Side nVent ERIFLEX Flexibar Size: 2x20x1 - 5x24x1

Load Side Compact Stranded Wire Size: (2) 35 - 120 mm²

Load Side Number of Connections: 2

Load Side Stranded Wire Size - Ferrule: (2) 35 - 120 mm²

Load Side Wire Size: (2) #2 – 250 kcmil

Depth (D): 82.2mm

Height (H): 146.4mm

Width (W): 41.5mm

Unit Weight: 0.34kg

Certification Details: UL® 1059

Complies With: IEC® 60947-7-1

Enclosure Rating: IP 20

Flammability Rating: UL® 94V-0

ADDITIONAL PRODUCT DETAILS

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.

Linee guida di progettazione per blocchi di distribuzione, blocchi di potenza e terminali di alimentazione										
Declassamento in base alla temperatura ambiente* (°C) per mantenere una temperatura di esercizio di 85 °C										
Temperatura ambiente (°C)	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°
Coefficiente di declassamento (d)	1	1	1	0,94	0,88	0,82	0,75	0,67	0,58	0,47
*ambiente intorno ai blocchi terminali all'interno della recinzione										

DIAGRAMS



AVVERTIMENTO

I prodotti nVent devono essere installati e utilizzati solo come indicato nelle schede istruzioni e nei materiali di formazione di nVent. Le schede istruzioni sono disponibili su www.nvent.com e presso il vostro rappresentante del servizio clienti nVent. Un'installazione scorretta, un uso improprio, un'applicazione errata o qualsiasi altro mancato rispetto completo delle istruzioni e degli avvertimenti di nVent può causare malfunzionamenti del prodotto, danni alla proprietà, gravi lesioni personali e morte e/o annullare la vostra garanzia.



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