VERMOGENAANSLUITBLOK, FLEXIBAR-KABEL, 400 A IEC, KOPER

CATALOG NUMBER

SBF400



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 IBS/IBSB Advanced power braids.

CERTIFICATIONS

FEATURES

- Can be connected with round cross section cable or flat connection system like nVent ERIFLEX Flexibar Advanced or IBS/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
- Modulaire blokken met klikbevestiging voor het bouwen van meerpolige voedingsblokken
- 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

PRODUCTKENMERKEN

- Article Number: 561153
- Finish: Vertind
- Type: Flexibar-Cable

Typical Application Current Rating, IEC: 400 A
Material: Copper;Thermoplastic
Line Side Max Conductor Size, IEC: 100 mm²
Load Side Max Conductor Size, IEC: 240 mm²
Short Term Withstand Current (Icw) 1s: 28,8 kA
Max Current Rating, Insulated Power Braid, IEC: 405 A
Max Current Rating, nVent ERIFLEX Flexibar, IEC: 445 A
Max Current Rating, UL: 335 A
Peak Short Circuit Current (Ipk): 51 kA
Rated Conditional Short-Circuit Current (Icc): 24,3 kA
Short Circuit Current Rating (SCCR): 100 kA
Max Working Voltage, IEC (Ui): 1000;1500
Max Working Voltage, UL (Vin): 1000
Line Side Number of Connections: 1
Line Side Insulated Power Braid Cross Section: 100 mm²
Line Side nVent ERIFLEX Flexibar Size: 2x20x1 - 5x24x1
Load Side Compact Stranded Wire Size: 95 - 240 mm²
Load Side Number of Connections: 1
Load Side Wire Size: 3/0 – 400 kcmil
Depth: 82 mm
Height: 146,4 mm
Width: 41,5 mm
Unit Weight: 0,56 kg
Certification Details: UL® 1059
Complies With: IEC® 60947-7-1
Enclosure Rating: IP 20
Flammability Rating: UL® 94V-0

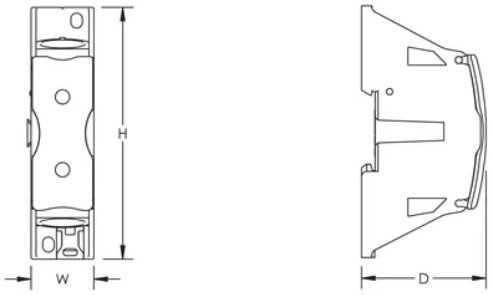
ADDITIONAL PRODUCT DETAILS

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.

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



WAARSCHUWING

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