nVent | ERIFLEX

We connect and protect

IBS/IBSB Advanced Insulated Braided Conductor, Halogen Free

IBS/IBSB Advanced Insulated Braided Conductor, Halogen Free is the ideal ready-to-install flexible wire replacement solution that is specifically designed for connections to all molded case circuit breakers, including the most compact breakers on the market. IBS/IBSB Advanced connects to the front access terminals of the breakers without any additional accessories, such as angular connectors, spreaders, ring terminal connectors or extenders. IBS/IBSB Advanced is available in cross sections of 25 to 240 mm² (49.34 to 273.65 kcmil), lengths from 230 to 1,030 mm (9.06" to 40.55"), and 80 to 700 A.

Manufactured in an ISO 9001 2015 certified automated facility, IBS/IBSB Advanced is formed by weaving high-quality electrolytic copper wire to form a durable low voltage connector with maximum flexibility which allows for more compact power connections to circuit breakers. The IBS/IBSB Advanced allows users to reduce the total size and weight of the installation, improving both design flexibility and assembly aesthetics.

The unique manufacturing process of integral pre-punched palms make IBS/IBSB Advanced ready to connect out of the box. There are no lugs to purchase or install, making connections simpler and faster and eliminates faulty connections due to vibration or fatigue.

IBS/IBSB Advanced is compatible with all major brand molded case circuit breakers.

The advanced technology insulation is a high-resistance low smoke, halogen-free and flame retardant thermoplastic.

IBS/IBSB Advanced does not generate corrosive gases and produces a relatively low smoke opacity in accordance with IEC 61034-2 and UL 2885. The low smoke characteristic improves visibility conditions for people to be able to easily locate the emergency exit and also allows rescue workers to better assess an emergency situation. IBS/IBSB Advanced means greater safety for individuals, less damage for your electrical equipment and less environmental impact.

The halogen–free feature enables a reduction in the quantity of toxic smoke. IBS/IBSB Advanced does not contain any halogens, according to IEC 60754-1 and UL 2885, minimizing toxicity and making it the ideal product for

use in enclosed spaces such as data centers, rail, and public facilities such as hospitals and schools. This also facilitates the use of IBS/IBSB Advanced in specific applications such as submarines, switchboards and other enclosed environments that require a low emissions solution.

In addition to the above features, IBS/IBSB Advanced is compliant with the UL 94-V0 testing standard and glow wire test 960 °C. The flame retardant portion of the test illustrates the self-extinguish feature. This superior feature of IBS/IBSB Advanced is also shown by the Limiting Oxygen Index (LOI) at 30%. In case of fire, IBS/IBSB Advanced generates a limited quantity of smoke that is less damaging to your electrical equipment.

CERTIFICATIONS

FEATURES

Suitable for all main molded case circuit breakers
Resistant to vibration, improving reliability and performance
Insulated by high-resistance, halogen free, flame retardant and low smoke material
Tinned copper provides superior corrosion resistance
Improves assembly flexibility and aesthetics
Quick and easy installation
No additional cutting, stripping, crimping and punching needed
Integral palm without lugs or terminals reduces material and assembly weight
Conforms to NF EN 45545 obtaining an HL3 classification for chapters R22 and R23
DNV GL® and Bureau Veritas certified for marine and offshore applications
Small wire diameter provides maximum flexibility
Dramatically smaller and more flexible than comparable cable based on ampacity
Better power density than cable with lower skin effect ratio
Reduces total installation cost
RoHS compliant
Tinned copper allows for copper or aluminum conductor connections
On request, can be manufactured with other colors (typically with Orange sleeve for battery connection)

SPECIFICATIONS

Wire Diameter:	0.15mm
Insulation Thickness:	1.8 mm
Dielectric Strength:	20
Insulation Elongation:	500 %
Max Working Voltage, UL 67:	600
Max Working Voltage, IEC/UL 758 :	1000;1500
Max Working Voltage, EN 50264-3-1:	6000V
Material:	Copper;Thermoplastic Elastomer
Complies With:	IEC® 60439.1;IEC® 60695-2-11 (Glow Wire Test 960 °C);IEC® 61439.1;IEC® 61439.1 Class II
Halogen Free Rating:	UL® 2885;IEC® 60754-1;IEC® 62821-1
Low Smoke Rating:	IEC® 61034-2;ISO 5659-2;UL® 2885
UV Resistance Rating:	UL® 2556;UL® 854
Certification Details:	UL® 67;UL® 758
Flammability Rating:	UL® 94V-0
Working Temperature:	-50 to 115 °C

Table 1/3

Catalog Number	Article Number	Typical Application Current Rating	Peak Short Circuit Current (Ipk)	Finish	Cross Section	Conductor Width
IBSBADV50-530	534410	250 A	30kA	Tinned	50mm²	20 mm
IBSBADV50-630	534411	250 A	30kA	Tinned	50mm²	20 mm
IBSBADV50-830	534412	250 A	30kA	Tinned	50mm²	20 mm
IBSBADV70-1030	534420	300 A	30kA	Tinned	70mm²	20 mm
IBSBADV70-230	534414	300 A	30kA	Tinned	70mm²	20 mm
IBSBADV70-330	534415	300 A	30kA	Tinned	70mm²	20 mm
IBSBADV70-430	534416	300 A	30kA	Tinned	70mm²	20 mm
IBSBADV70-530	534417	300 A	30kA	Tinned	70mm²	20 mm

CatalogNumber	Article Number	Typical Application Current Rating	Peak Short Circuit Current (Ipk)	Finish	Cross Section	Conductor Width
IBSBADV70-630	534418	300 A	30kA	Tinned	70mm²	20 mm
IBSBADV70-830	534419	300 A	30kA	Tinned	70mm²	20 mm
IBSBADV240-1030	534446	630 A	80kA	Bare, Tinned	240mm²	32 mm
IBSBADV240-330	534441	630 A	80kA	Bare, Tinned	240mm²	32 mm
IBSBADV240-430	534442	630 A	80kA	Bare, Tinned	240mm²	32 mm
IBSBADV240-530	534443	630 A	80kA	Bare, Tinned	240mm²	32 mm
IBSBADV240-630	534444	630 A	80kA	Bare, Tinned	240mm²	32 mm
IBSBADV240-830	534445	630 A	80kA	Bare, Tinned	240mm²	32 mm
IBSBADV25-1030	534406	160 A	14kA	Tinned	25mm²	12 mm
IBSBADV25-230	534400	160 A	14kA	Tinned	25mm²	12 mm
IBSBADV25-330	534401	160 A	14kA	Tinned	25mm²	12 mm
IBSBADV25-430	534402	160 A	14kA	Tinned	25mm²	12 mm
IBSBADV25-530	534403	160 A	14kA	Tinned	25mm²	12 mm
IBSBADV25-630	534404	160 A	14kA	Tinned	25mm²	12 mm
IBSBADV25-830	534405	160 A	14kA	Tinned	25mm²	12 mm

CatalogNumber	Article Number	Typical Application Current Rating	Peak Short Circuit Current (Ipk)	Finish	Cross Section	Conductor Width
IBSBADV50-1030	534413	250 A	30kA	Tinned	50mm²	20 mm
IBSBADV50-230	534407	250 A	30kA	Tinned	50mm²	20 mm
IBSBADV50-330	534408	250 A	30kA	Tinned	50mm²	20 mm
IBSBADV50-430	534409	250 A	30kA	Tinned	50mm²	20 mm
IBSADV25-1030	534506	160 A	14kA	Tinned	25mm²	20 mm
IBSADV25-230	534500	160 A	14kA	Tinned	25mm²	20 mm
IBSADV25-330	534501	160 A	14kA	Tinned	25mm²	20 mm
IBSADV25-430	534502	160 A	14kA	Tinned	25mm²	20 mm
IBSADV25-530	534503	160 A	14kA	Tinned	25mm²	20 mm
IBSADV25-630	534504	160 A	14kA	Tinned	25mm²	20 mm
IBSADV25-830	534505	160 A	14kA	Tinned	25mm²	20 mm
IBSADV50-1030	534513	250 A	30kA	Tinned	50mm²	20 mm
IBSADV50-230	534507	250 A	30kA	Tinned	50mm²	20 mm
IBSADV50-330	534508	250 A	30kA	Tinned	50mm²	20 mm
IBSADV50-430	534509	250 A	30kA	Tinned	50mm²	20 mm
IBSADV50-530	534510	250 A	30kA	Tinned	50mm²	20 mm
IBSADV50-630	534511	250 A	30kA	Tinned	50mm²	20 mm

CatalogNumber	Article Number	Typical Application Current Rating	Peak Short Circuit Current (Ipk)	Finish	Cross Section	Conductor Width
IBSADV50-830	534512	250 A	30kA	Tinned	50mm²	20 mm
IBSBADV100-1030	534427	350 A	70kA	Tinned	100mm²	24 mm
IBSBADV100-230	534421	350 A	70kA	Tinned	100mm²	24 mm
IBSBADV100-330	534422	350 A	70kA	Tinned	100mm²	24 mm
IBSBADV100-430	534423	350 A	70kA	Tinned	100mm²	24 mm
IBSBADV100-530	534424	350 A	70kA	Tinned	100mm²	24 mm
IBSBADV100-630	534425	350 A	70kA	Tinned	100mm²	24 mm
IBSBADV100-830	534426	350 A	70kA	Tinned	100mm²	24 mm
IBSBADV120-1030	534434	400 A	70kA	Tinned	120mm²	32 mm
IBSBADV120-230	534428	400 A	70kA	Tinned	120mm²	32 mm
IBSBADV120-330	534429	400 A	70kA	Tinned	120mm²	32 mm
IBSBADV120-430	534430	400 A	70kA	Tinned	120mm²	32 mm
IBSBADV120-530	534431	400 A	70kA	Tinned	120mm²	32 mm

CatalogNumber	Article Number	Typical Application Current Rating	Peak Short Circuit Current (Ipk)	Finish	Cross Section	Conductor Width
IBSBADV120-630	534432	400 A	70kA	Tinned	120mm²	32 mm
IBSBADV120-830	534433	400 A	70kA	Tinned	120mm²	32 mm
IBSBADV185-1030	534440	500 A	70kA	Tinned	185mm²	32 mm
IBSBADV185-330	534435	500 A	70kA	Tinned	185mm²	32 mm
IBSBADV185-430	534436	500 A	70kA	Tinned	185mm²	32 mm
IBSBADV185-530	534437	500 A	70kA	Tinned	185mm²	32 mm
IBSBADV185-630	534438	500 A	70kA	Tinned	185mm²	32 mm
IBSBADV185-830	534439	500 A	70kA	Tinned	185mm²	32 mm

Table 2/3

Catalog Number	Article Number	Conductor Thickness	Length (L)	A	B	C
IBSBADV50-530	534410	2.8 mm	530mm	9 mm	11 mm	27 mm
IBSBADV50-630	534411	2.8 mm	630mm	9 mm	11 mm	27 mm
IBSBADV50-830	534412	2.8 mm	830mm	9 mm	11 mm	27 mm
IBSBADV70-1030	534420	4.3 mm	1030mm	9 mm	11 mm	27 mm
IBSBADV70-230	534414	4.3 mm	230mm	9 mm	11 mm	27 mm

CatalogNumber	Article Number	Conductor Thickness	Length (L)	A	B	C
IBSBADV70-330	534415	4.3 mm	330mm	9 mm	11 mm	27 mm
IBSBADV70-430	534416	4.3 mm	430mm	9 mm	11 mm	27 mm
IBSBADV70-530	534417	4.3 mm	530mm	9 mm	11 mm	27 mm
IBSBADV70-630	534418	4.3 mm	630mm	9 mm	11 mm	27 mm
IBSBADV70-830	534419	4.3 mm	830mm	9 mm	11 mm	27 mm
IBSBADV240-1030	534446	9.2 mm	1030mm	12 mm	14 mm	39 mm
IBSBADV240-330	534441	9.2 mm	330mm	12 mm	14 mm	39 mm
IBSBADV240-430	534442	9.2 mm	430mm	12 mm	14 mm	39 mm
IBSBADV240-530	534443	9.2 mm	530mm	12 mm	14 mm	39 mm
IBSBADV240-630	534444	9.2 mm	630mm	12 mm	14 mm	39 mm
IBSBADV240-830	534445	9.2 mm	830mm	12 mm	14 mm	39 mm
IBSBADV25-1030	534406	2.8 mm	1030mm	6.5 mm	6.5 mm	18 mm
IBSBADV25-230	534400	2.8 mm	230mm	6.5 mm	6.5 mm	18 mm
IBSBADV25-330	534401	2.8 mm	330mm	6.5 mm	6.5 mm	18 mm
IBSBADV25-430	534402	2.8 mm	430mm	6.5 mm	6.5 mm	18 mm
IBSBADV25-530	534403	2.8 mm	530mm	6.5 mm	6.5 mm	18 mm

CatalogNumber	Article Number	Conductor Thickness	Length (L)	A	B	C
IBSBADV25-630	534404	2.8 mm	630mm	6.5 mm	6.5 mm	18 mm
IBSBADV25-830	534405	2.8 mm	830mm	6.5 mm	6.5 mm	18 mm
IBSBADV50-1030	534413	2.8 mm	1030mm	9 mm	11 mm	27 mm
IBSBADV50-230	534407	2.8 mm	230mm	9 mm	11 mm	27 mm
IBSBADV50-330	534408	2.8 mm	330mm	9 mm	11 mm	27 mm
IBSBADV50-430	534409	2.8 mm	430mm	9 mm	11 mm	27 mm
IBSADV25-1030	534506	1.9 mm	1030mm	10 mm	12 mm	25 mm
IBSADV25-230	534500	1.9 mm	230mm	10 mm	12 mm	25 mm
IBSADV25-330	534501	1.9 mm	330mm	10 mm	12 mm	25 mm
IBSADV25-430	534502	1.9 mm	430mm	10 mm	12 mm	25 mm
IBSADV25-530	534503	1.9 mm	530mm	10 mm	12 mm	25 mm
IBSADV25-630	534504	1.9 mm	630mm	10 mm	12 mm	25 mm
IBSADV25-830	534505	1.9 mm	830mm	10 mm	12 mm	25 mm
IBSADV50-1030	534513	2.8 mm	1030mm	12 mm	12 mm	27 mm
IBSADV50-230	534507	2.8 mm	230mm	12 mm	12 mm	27 mm
IBSADV50-330	534508	2.8 mm	330mm	12 mm	12 mm	27 mm
IBSADV50-430	534509	2.8 mm	430mm	12 mm	12 mm	27 mm
IBSADV50-530	534510	2.8 mm	530mm	12 mm	12 mm	27 mm

CatalogNumber	Article Number	Conductor Thickness	Length (L)	A	B	C
IBSADV50-630	534511	2.8 mm	630mm	12 mm	12 mm	27 mm
IBSADV50-830	534512	2.8 mm	830mm	12 mm	12 mm	27 mm
IBSBADV100-1030	534427	5 mm	1030mm	9 mm	11 mm	31 mm
IBSBADV100-230	534421	5 mm	230mm	9 mm	11 mm	31 mm
IBSBADV100-330	534422	5 mm	330mm	9 mm	11 mm	31 mm
IBSBADV100-430	534423	5 mm	430mm	9 mm	11 mm	31 mm
IBSBADV100-530	534424	5 mm	530mm	9 mm	11 mm	31 mm
IBSBADV100-630	534425	5 mm	630mm	9 mm	11 mm	31 mm
IBSBADV100-830	534426	5 mm	830mm	9 mm	11 mm	31 mm
IBSBADV120-1030	534434	4.4 mm	1030mm	11 mm	11 mm	39 mm
IBSBADV120-230	534428	4.4 mm	230mm	11 mm	11 mm	39 mm
IBSBADV120-330	534429	4.4 mm	330mm	11 mm	11 mm	39 mm
IBSBADV120-430	534430	4.4 mm	430mm	11 mm	11 mm	39 mm
IBSBADV120-530	534431	4.4 mm	530mm	11 mm	11 mm	39 mm

CatalogNumber	Article Number	Conductor Thickness	Length (L)	A	B	C
IBSBADV120-630	534432	4.4 mm	630mm	11 mm	11 mm	39 mm
IBSBADV120-830	534433	4.4 mm	830mm	11 mm	11 mm	39 mm
IBSBADV185-1030	534440	7.1 mm	1030mm	12 mm	14 mm	39 mm
IBSBADV185-330	534435	7.1 mm	330mm	12 mm	14 mm	39 mm
IBSBADV185-430	534436	7.1 mm	430mm	12 mm	14 mm	39 mm
IBSBADV185-530	534437	7.1 mm	530mm	12 mm	14 mm	39 mm
IBSBADV185-630	534438	7.1 mm	630mm	12 mm	14 mm	39 mm
IBSBADV185-830	534439	7.1 mm	830mm	12 mm	14 mm	39 mm

Table 3/3

Catalog Number	Article Number	D	Hole Size 1 (HS1)	Hole Size 2 (HS2)	Unit Weight
IBSBADV50-530	534410	8 mm	8.5 mm	10.5 mm	0.33 kg
IBSBADV50-630	534411	8 mm	8.5 mm	10.5 mm	0.39 kg
IBSBADV50-830	534412	8 mm	8.5 mm	10.5 mm	0.52 kg
IBSBADV70-1030	534420	11 mm	8.5 mm	10.5 mm	0.86 kg
IBSBADV70-230	534414	11 mm	8.5 mm	10.5 mm	0.2 kg
IBSBADV70-330	534415	11 mm	8.5 mm	10.5 mm	0.28 kg

Catalog Number	Article Number	D	Hole Size 1 (HS1)	Hole Size 2 (HS2)	Unit Weight
IBSBADV70-430	534416	11 mm	8.5 mm	10.5 mm	0.36 kg
IBSBADV70-530	534417	11 mm	8.5 mm	10.5 mm	0.44 kg
IBSBADV70-630	534418	11 mm	8.5 mm	10.5 mm	0.53 kg
IBSBADV70-830	534419	11 mm	8.5 mm	10.5 mm	0.7 kg
IBSBADV240-1030	534446	18.5 mm	10.5 mm	12.5 mm	2.67 kg
IBSBADV240-330	534441	18.5 mm	10.5 mm	12.5 mm	0.89 kg
IBSBADV240-430	534442	18.5 mm	10.5 mm	12.5 mm	1.14 kg
IBSBADV240-530	534443	18.5 mm	10.5 mm	12.5 mm	1.4 kg
IBSBADV240-630	534444	18.5 mm	10.5 mm	12.5 mm	1.65 kg
IBSBADV240-830	534445	18.5 mm	10.5 mm	12.5 mm	2.16 kg
IBSBADV25-1030	534406	9 mm	6.5 mm	6.5 mm	0.35 kg
IBSBADV25-230	534400	9 mm	6.5 mm	6.5 mm	0.08 kg
IBSBADV25-330	534401	9 mm	6.5 mm	6.5 mm	0.11 kg
IBSBADV25-430	534402	9 mm	6.5 mm	6.5 mm	0.15 kg
IBSBADV25-530	534403	9 mm	6.5 mm	6.5 mm	0.18 kg
IBSBADV25-630	534404	9 mm	6.5 mm	6.5 mm	0.22 kg
IBSBADV25-830	534405	9 mm	6.5 mm	6.5 mm	0.28 kg
IBSBADV50-1030	534413	8 mm	8.5 mm	10.5 mm	0.64 kg

Catalog Number	Article Number	D	Hole Size 1 (HS1)	Hole Size 2 (HS2)	Unit Weight
IBSBADV50-230	534407	8 mm	8.5 mm	10.5 mm	0.15 kg
IBSBADV50-330	534408	8 mm	8.5 mm	10.5 mm	0.21 kg
IBSBADV50-430	534409	8 mm	8.5 mm	10.5 mm	0.27 kg
IBSADV25-1030	534506	6 mm	8.5 mm	10.5 mm	0.41 kg
IBSADV25-230	534500	6 mm	8.5 mm	10.5 mm	0.95 kg
IBSADV25-330	534501	6 mm	8.5 mm	10.5 mm	0.14 kg
IBSADV25-430	534502	6 mm	8.5 mm	10.5 mm	0.17 kg
IBSADV25-530	534503	6 mm	8.5 mm	10.5 mm	0.21 kg
IBSADV25-630	534504	6 mm	8.5 mm	10.5 mm	0.25 kg
IBSADV25-830	534505	6 mm	8.5 mm	10.5 mm	0.33 kg
IBSADV50-1030	534513	8 mm	10.5 mm	10.5 mm	0.65 kg
IBSADV50-230	534507	8 mm	10.5 mm	10.5 mm	0.16 kg
IBSADV50-330	534508	8 mm	10.5 mm	10.5 mm	0.22 kg
IBSADV50-430	534509	8 mm	10.5 mm	10.5 mm	0.29 kg
IBSADV50-530	534510	8 mm	10.5 mm	10.5 mm	0.35 kg
IBSADV50-630	534511	8 mm	10.5 mm	10.5 mm	0.41 kg
IBSADV50-830	534512	8 mm	10.5 mm	10.5 mm	0.53 kg
IBSADV100-1030	534427	13 mm	8.5 mm	10.5 mm	1.19 kg

Catalog Number	Article Number	D	Hole Size 1 (HS1)	Hole Size 2 (HS2)	Unit Weight
IBSBADV100-230	534421	13 mm	8.5 mm	10.5 mm	0.27 kg
IBSBADV100-330	534422	13 mm	8.5 mm	10.5 mm	0.39 kg
IBSBADV100-430	534423	13 mm	8.5 mm	10.5 mm	0.5 kg
IBSBADV100-530	534424	13 mm	8.5 mm	10.5 mm	0.62 kg
IBSBADV100-630	534425	13 mm	8.5 mm	10.5 mm	0.73 kg
IBSBADV100-830	534426	13 mm	8.5 mm	10.5 mm	0.96 kg
IBSBADV120-1030	534434	12 mm	10.5 mm	10.5 mm	1.43 kg
IBSBADV120-230	534428	12 mm	10.5 mm	10.5 mm	0.33 kg
IBSBADV120-330	534429	12 mm	10.5 mm	10.5 mm	0.47 kg
IBSBADV120-430	534430	12 mm	10.5 mm	10.5 mm	0.6 kg
IBSBADV120-530	534431	12 mm	10.5 mm	10.5 mm	0.74 kg
IBSBADV120-630	534432	12 mm	10.5 mm	10.5 mm	0.88 kg
IBSBADV120-830	534433	12 mm	10.5 mm	10.5 mm	1.15 kg
IBSBADV185-1030	534440	16 mm	10.5 mm	12.5 mm	2.1 kg
IBSBADV185-330	534435	16 mm	10.5 mm	12.5 mm	0.7 kg
IBSBADV185-430	534436	16 mm	10.5 mm	12.5 mm	0.9 kg
IBSBADV185-530	534437	16 mm	10.5 mm	12.5 mm	1.1 kg
IBSBADV185-630	534438	16 mm	10.5 mm	12.5 mm	1.3 kg

Catalog Number	Article Number	D	Hole Size 1 (HS1)	Hole Size 2 (HS2)	Unit Weight
IBSBADV185-830	534439	16 mm	10.5 mm	12.5 mm	1.7 kg

ADDITIONAL PRODUCT DETAILS

ΔT = Temperature of conductors – Internal temperature of panel.

This table indicates the temperature rise produced by chosen current in the given section. This calculation does not take into account the heat dissipation from the switch gear.

IBSB Advanced Insulated Braided Conductor with a cross section of 240 mm² (473.65 kcmil) is constructed of red copper strands with tinned palms.

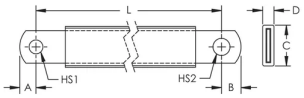
Distance between supports must not exceed 630 mm (17.8") according to IEC 61439-1.

Maximum Ampacity Ratings									
Cross Section (mm²/kcmil)	ΔT 30° C (A)	ΔT 40° C (A)	ΔT 45° C (A)	ΔT 50° C (A)	ΔT 55° C (A)	ΔT 60° C (A)	ΔT 70° C (A)	2 Bar Current Coefficient	3 Bar Current Coefficient
25/49.34	116	134	142	150	157	164	177	1.6	2
50/98.68	213	246	260	274	288	301	325	1.6	2
70/138.15	226	261	277	291	306	319	345	1.6	2
100/197.35	298	344	365	385	404	422	456	1.6	2
120/236.82	363	419	444	468	491	513	554	1.6	2
185/365.1	416	480	509	537	563	588	635	1.6	2
240/473.65	556	642	681	718	753	786	849	1.6	2

Maximum Ampacity Ratings									
Cross Section (mm²/kcmil)	ΔT 30° C (A)	ΔT 40° C (A)	ΔT 45° C (A)	ΔT 50° C (A)	ΔT 55° C (A)	ΔT 60° C (A)	ΔT 70° C (A)	2 Bar Current Coefficient	3 Bar Current Coefficient
25/49.34 (IBSB)	116	134	142	150	157	164	177	1.6	2
25/49.34 (IBS)	137	158	167	177	185	193	209	1.6	2
50/98.68	213	246	260	274	288	301	325	1.6	2
70/138.15	226	261	277	291	306	319	345	1.6	2
100/197.35	298	344	365	385	404	422	456	1.6	2
120/236.82	363	419	444	468	491	513	554	1.6	2
185/365.1	416	480	509	537	563	588	635	1.6	2
240/473.65	556	642	681	718	753	786	849	1.6	2

Circuit Breaker Compatibility									
Circuit Breaker Current Rating	**125/160 A**		**250 A**		**300 A**	**350 A**	**400 A**	**500 A**	**630 A**
Part Number	**IBSBADV25x**	**IBSADV25x**	**IBSBADV50x**	**IBSADV50x**	**IBSBADV70x**	**IBSBADV100x**	**IBSBADV120x**	**IBSBADV185x**	**IBSBADV240x**
Schneider Electric® Compact® (IEC)	NSA NG 125	NSX 100 NSX 160	NSX 250	NSX 250	NSX 400	NSX 400	NSX 400	NSX 630	NSX 630
Square D® PowerPact® (UL)	H-Frame	J-Frame	J-Frame	J-Frame	L-Frame	L-Frame	L-Frame	-	-
ABB® Tmax® (IEC)	T1 T2 XT1 XT2	-	T3 XT3 XT4	T3 XT3 XT4	T4	T4	T5	T5	T5
ABB® Tmax® (UL)	T1 T2 XT1 XT2	T3	T4 XT3 XT4	T4	T5	T5	T5	-	-
GE® Record Plus® (IEC/UL)	FD 160	FD 160	FE 250	FE 250	FG 400	FG 400	FG 400	FG 630	FG 630
Siemens® Sentron® (IEC/UL)	VL160X 3VL1 VL160 3VL2	-	VL250 3VL3	VL250 3VL3	VL400 3VL4	VL400 3VL4	VL400 3VL4	-	-
Moeller® xEnergy® (IEC)	NZM1	-	NZM2	NZM2	NZM3	NZM3	NZM3	NZM3	NZM3
Cutler Hammer® Series G (UL)	EG Frame	JG Frame	JG Frame	JG Frame	LG Frame	LG Frame	LG Frame	LG Frame	LG Frame
Legrand® (IEC)	DPX 160 DPX3 160	-	DPX 250 DPX3 250	DPX 250 DPX3 250	DPX 630	DPX 630	DPX 630	DPX 630	DPX 630
Hager® (IEC)	h3 160	-	h3 250	h3 250	h3 630	h3 630	-	-	-
Rockwell/Allen Bradley (UL)	G-Frame H-Frame	-	I-Frame J-Frame	I-Frame J-Frame	I-Frame J-Frame	-	K-Frame	K-Frame	-
Mitsubishi Electric (IEC)	-	NF125 NF160 DSN125 DSN160	NF250 DSN250	NF250 DSN250	-	NF400 DSN400	-	-	-
OEZ (IEC)	BC160N	-	BD250N BD250S	-	BH630B BH630S	BH630B BH630S	BH630B BH630S	BH630B BH630S	BH630B BH630S

DIAGRAMS



WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper

installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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