

IBSBR Insulated Braided Conductor - High Temperature IB

IBSBR240-1130 SCS (558648MTO)



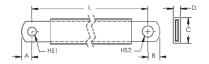
IBSB/IBSBR is the ideal ready-to-install flexible wire replacement solution that is specifically designed for connections to all molded case circuit breakers, including the most compact breakers on the market. It connects to the front access terminals of the breakers without any additional accessories, such as angular connectors, spreaders, ring terminal connectors or extenders. IBSB/ IBSBR is available in cross section of 25 to 240 mm² (49.34 to 273.65 kcmil), lengths from 230 to 1,130 mm, and 80 to 350 A tinned and 400 to 630 A bare (red) copper.

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

The IBSB/IBSBR features integral pre-punched palms that are ready to connect out of the box. There are no lugs to purchase or install, making connections simpler and faster and eliminating faulty connections due to vibration or fatigue. The insulation is a high-resistance self-extinguishing PVC.

IBSB/IBSBR is compatible with all major brand molded case circuit breakers. Contact your ERIFLEX representative to determine the correct size for your application.

- Suitable for all main molded case circuit breakers
- Resistant to vibration, improving reliability and performance
- 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
- Small wire diameter provides maximum flexibility
- RoHS compliant





Part Number	IBSBR240-1130 SCS
Article Number	558648MTO
Typical Application Current Rating	630 A
Finish	Bare
Material	Copper Polyvinylchloride
Dielectric Strength	10 kV/mm
Flammability Rating	UL® 94V-0
Max Working Voltage, IEC/UL 758	1,000 VAC





Instrume 1550 VDC Max Working Voltage, UL 67 600 VAC/DC Working Temperature 290 °C Max Operating Temperature -60 to 290 °C Wire Diameter 0.15 mm Complies With IEC® 60439.1 IEC® 61439.1 Class II Cross Section 240 mm² Conductor Width 32 mm Conductor Thickness 9.2 mm Length (L) 1130 mm A 12 mm B 14 mm C 39 mm D 18.5 mm Hole Size 1 (HS1) 0.5 mm Hole Size 2 (HS2) 12.5 mm Unit Weight 2.93 kg Certifications Aureu Veritas 41939 BV CE CEX 90005 CARUS Standard Packaging Quantity 2 pc UPC PC	1	Part Number	IBSBR240-1130 SCS			
Max Working Voltage, UL 67 600 VAC/DC Working Temperature 290 °C Max Operating Temperature 60 to 290 °C Wire Diameter 0.15 mm Complies With IEC® 60439.1 IEC® 61439.1 IEC® 61439.1 Cross Section 240 ma ³ Conductor Width 32 mm Conductor Thickness 9.2 mm Length (L) 130 mm A 12 mm B 14 mm C 39 nm In D 10.5 mm Hole Size 1 (HS1) 10.5 mm Hole Size 2 (HS2) 2.3 kg Certifications ABS 13.45070074-PDA Bureau Vertas 41939 BV CS A 9000S CV RUSS SCRAPUSADS CV RUSS SCRAPUSADS SCRAPUSAD						
Operating Temperature -60 to 290 °C Wire Diameter 0.15 mm Complies With IEC® 60439.1 IEC® 61439.1 IEC® 61439.1 IES IESP IESP D 18.5 mm Hole Size 1 (HS1) 10.5 mm Hole Size 2 (HS2) 12.5 mm Unit Weight 2.93 kg Certifications Bureau Veritas 41939 BV CCSA 90005 CVR032 4251 (Russian Federation) IEC 61439.1 Class IIIBS-IBSB-IBSBR RoHS Standard Packaging Quantity 2 pc		Max Working Voltage, UL 67				
Wire Diameter0.15 mmWire Diameter0.15 mmComplies WithIEC® 60439.1IEC® 61439.1 Clew 61439.1Cross Section240 mm²Conductor Width32 mmConductor Thickness9.2 mmLength (L)1130 mmA12 mmB14 mmC39 mmD18.5 mmHole Size 1 (HS1)10.5 mmHole Size 2 (HS2)2.33 kgUnit Weight2.93 kgCertificationsABI 13-N107074-PDA Bureau Vertas 41939 BV CE CSA 90005 CIRUs CRUss CRUss CAG234251 (Russian Federation))Standard Packaging Quantity2 pc		Working Temperature	290 °C Max			
Complies WithIEC® 60439.1 IEC® 61439.1 Class IIConductor Width20 mm²Conductor Width32 mmConductor Thickness9.2 mmLength (L)1130 mmA12 mmB14 mmC39 mmC39 mmHole Size 1 (HS1)10.5 mmHole Size 2 (HS2)2.9 mgUnit Weight2.93 kgCertifications81 3-HS1070074-PDA Bureau Vertas 41939 BV CCF CS 490005 CCHAssStandard Packaging Quantity2 pc		Operating Temperature	-60 to 290 °C			
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Conductor Thickness9.2 mmLength (L)1130 mmA12 mmB14 mmC39 mmD18.5 mmHole Size 1 (HS1)10.5 mmHole Size 2 (HS2)12.5 mmUnit Weight2.93 kgCertificationsABS 13-HS1070074-PDA Bureau Veritas 41939 BV CE CER S0 90005 CURUS EAC0234251 (Russian Federation) IEC 61439-1 IBS-IBSB-IBSBR RoHSStandard Packaging Quantity2 pc		Cross Section	240 mm ²			
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B 14 mm C 39 mm D 18.5 mm Hole Size 1 (HS1) 10.5 mm Hole Size 2 (HS2) 12.5 mm Unit Weight 2.93 kg Certifications ABS 13-HS1070074-PDA Bureau Veritas 41939 BV CE CSA 90005 CURUs EAC0234251 (Russian Federation) IEC 61439-1 IBS-IBSB-IBSBR IEC 61439-1 IBS-IBSB-IBSBR RoHS Standard Packaging Quantity 2 pc		Length (L)	1130 mm			
C39 mmD18.5 mmHole Size 1 (HS1)10.5 mmHole Size 2 (HS2)12.5 mmUnit Weight2.93 kgCertificationsABS 13-HS1070074-PDA Bureau Veritas 41939 BV CE CSA 90005 CURus EAC0234251 (Russian Federation) IEC 61439-1 ClassIIIBS-IBSBR IEC 61439-1 IBS-IBSBR RoHSStandard Packaging Quantity2 pc		Α	12 mm			
D18.5 mmHole Size 1 (HS1)10.5 mmHole Size 2 (HS2)12.5 mmUnit Weight2.93 kgCertificationsABS 13-HS1070074-PDA Bureau Veritas 41939 BV CE CSA 90005 cURus EAC0234251 (Russian Federation) IEC 61439-1 Class II IBS-IBSBR 		В	14 mm			
Hole Size 1 (HS1)10.5 mmHole Size 2 (HS2)12.5 mmUnit Weight2.93 kgCertificationsABS 13-HS1070074-PDA Bureau Veritas 41939 BV CE CSA 90005 CURus EAC0234251 (Russian Federation) IEC61439-1 Class II IBS-IBSBR IEC 61439-1 IBS-IBSBR RoHSStandard Packaging Quantity2 pc		C	39 mm			
Hole Size 2 (HS2)12.5 mmUnit Weight2.93 kgCertificationsABS 13-HS1070074-PDA Bureau Veritas 41939 BV CE CSA 90005 CURus EAC0234251(Russian Federation) IEC 61439-1 Class II IBS-IBSBR IEC 61439-1 IBS-IBSBR IEC 61439-1 IBS-IBSBR RoHSStandard Packaging Quantity2 pc		D	18.5 mm			
Unit Weight2.93 kgCertificationsABS 13-HS1070074-PDA Bureau Veritas 41939 BV CE CSA 90005 CURus EAC0234251 (Russian Federation) IEC 61439-1 ClassII IBS-IBSBR IEC 61439-1 IBS-IBSBR RoHSStandard Packaging Quantity2 pc		Hole Size 1 (HS1)	10.5 mm			
CertificationsABS 13-HS1070074-PDA Bureau Veritas 41939 BV CE CSA 90005 CURus EAC0234251(Russian Federation) IEC 61439-1 Class II IBS-IBSBR IEC 61439-1 IBS-IBSBR RoHSStandard Packaging Quantity2 pc		Hole Size 2 (HS2)	12.5 mm			
Bureau Veritas 41939 BV CE CSA 90005 CURus EAC0234251 (Russian Federation) IEC 61439-1 Class II IBS-IBSBR IEC 61439-1 Class II IBS-IBSBR RoHSStandard Packaging Quantity2 pc		Unit Weight	2.93 kg			
		Certifications	Bureau Veritas 41939 BV CE CSA 90005 cURus EAC0234251 (Russian Federation) IEC 61439-1 Class II IBS-IBSB-IBSBR IEC 61439-1 IBS-IBSB-IBSBR			
UPC		Standard Packaging Quantity	2 pc			
		UPC				
EAN-13 7090041500785		EAN-13	7090041500785			

	Maximum Ampacity Ratings										
Cross Section (mm ² /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		

Circuit Breaker Compatibility										
Circuit Breaker Current Rating	125/160 A	250 A	300 A	350 A	400 A	500 A	630 A			
Part Number	IBSB25x	IBSB50x	IBSB70x	IBSB100x	IBSBR120x	IBSBR185x	IBSBR240x			
Schneider Electric® Compact® (IEC)	NSA NG 125	NSX 250	NSX 400	NSX 400	NSX 400	NSX 630	NSX 630			
Square D® PowerPact® (UL)	H-Frame	J-Frame	L-Frame	L-Frame	L-Frame	-	-			
ABB® Tmax® (IEC)	T1 T2 XT1	T3 XT3 XT4	T4	T4	Т5	Т5	Т5			

Circuit Breaker Compatibility								
Circuit Breaker Current Rating	125/160 A	250 A	300 A	350 A	400 A	500 A	630 A	
Part Number	IBSB25x	IBSB50x	IBSB70x	IBSB100x	IBSBR120x	IBSBR185x	IBSBR240x	
	XT2							
ABB® Tmax® (UL)	T1 T2	Τ4	Т5	Т5	Т5	-	-	
GE® Record Plus® (IEC/UL)	FD 160	FE 250	FG 400	FG 400	FG 400	FG 630	FG 630	
Siemens® Sentron® (IEC/UL)	VL160X 3VL1 VL160 3VL2	VL250 3VL3	VL400 3VL4	VL400 3VL4	VL400 3VL4	-	-	
Moeller® xEnergy® (IEC)	NZM1	NZM2	NZM3	NZM3	NZM3	NZM3	NZM3	
Cutler Hammer® Series G (UL)	EG Frame	JG Frame	LG Frame	LG Frame	LG Frame	LG Frame	LG Frame	
 Legrand® (IEC)	DPX 160 DPX3 160	DPX 250 DPX3 250	DPX 630	DPX 630	DPX 630	DPX 630	DPX 630	
Hager® (IEC)	h3 160	h3 250	h3 630	h3 630	-	-	-	

 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.

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WARNING

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