

IBSHY Insulated Braided Conductor for Compact Circuit Breakers



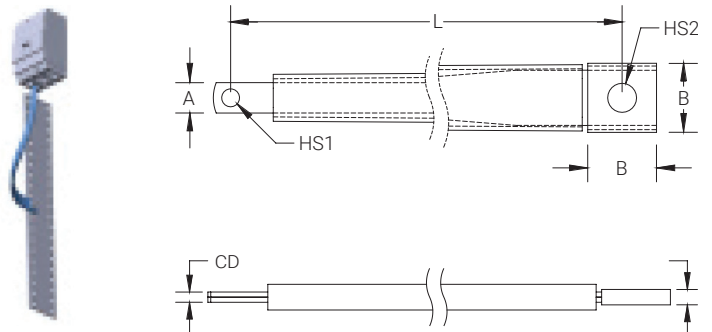
FEATURES

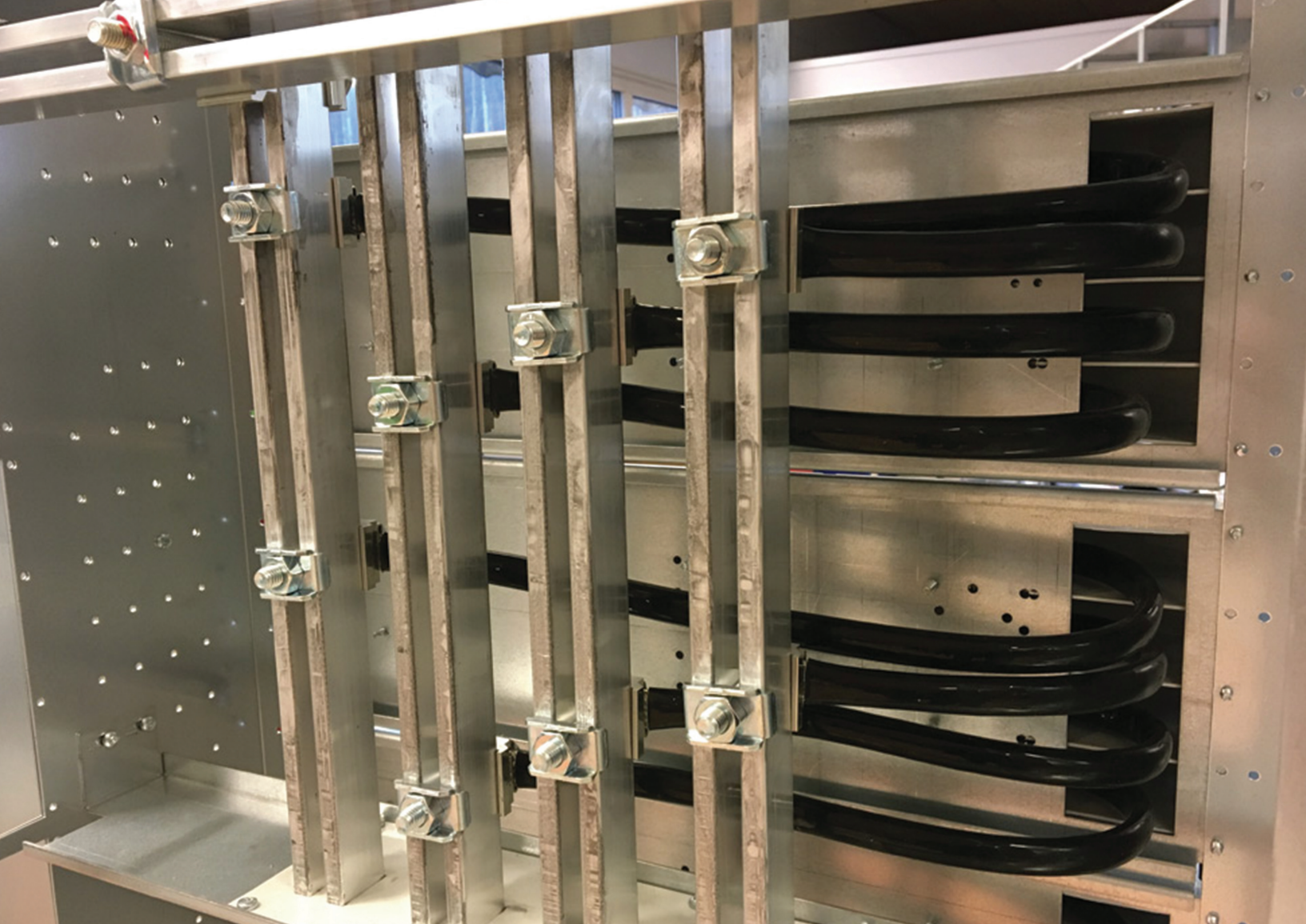
- Suitable for all main 125/160 A electrical devices and specifically molded case circuit breakers
- Resistant to vibration, improving reliability and performance
- Improves assembly flexibility and aesthetics
- Quick and easy installation
- No additional cutting, stripping, crimping and punching needed
- Small wire diameter provides maximum flexibility
- Halogen-free solution for applications requiring a low smoke solution
- Conforms to NF EN 45545 obtaining an HL2 classification for chapters R22 and R23
- High working temperature
- RoHS compliant



IBSHY INSULATED BAIED CONDUCTOR SPECIFICATIONS

- Typical Application Current Rating: 160 A
- Finish: Tinned
- Material: Copper; Glass Fibre Reinforced Silicon
- Flammability Rating: UL 1441 VW-1
- Max Working Voltage. IEC (Ui): 1 000 VAC; 1 500 VDC
- Operating Temperature: from -60 °C to 250 °C
- Wire Diameter: 0.15 mm
- IEC 60439-1; IEC 61439-1 compliant





IBSHY INSULATED BAIDED CONDUCTOR TECHNICAL CHARACTERISTICS

Part No.	Article No.	Cross Section	Length L	A	B	C	D	Hole Size 1 HS1	Hole Size 2 HS2
IBSHY32-230	558584	32 mm ²	230 mm	11 mm	25 mm	3 mm	5 mm	6.5 mm	10.5 mm
IBSHY32-330	558586	32 mm ²	330 mm	11 mm	25 mm	3 mm	5 mm	6.5 mm	10.5 mm
IBSHY32-365	558587	32 mm ²	365 mm	11 mm	25 mm	3 mm	5 mm	6.5 mm	10.5 mm
IBSHY32-430	558588	32 mm ²	430 mm	11 mm	25 mm	3 mm	5 mm	6.5 mm	10.5 mm
IBSHY32-500	558589	32 mm ²	500 mm	11 mm	25 mm	3 mm	5 mm	6.5 mm	10.5 mm
IBSHY32-565	558591	32 mm ²	565 mm	11 mm	25 mm	3 mm	5 mm	6.5 mm	10.5 mm
IBSHY32-630	558592	32 mm ²	630 mm	11 mm	25 mm	3 mm	5 mm	6.5 mm	10.5 mm
IBSHY32-700	558593	32 mm ²	700 mm	11 mm	25 mm	3 mm	5 mm	6.5 mm	10.5 mm
IBSHY32-765	558594	32 mm ²	765 mm	11 mm	25 mm	3 mm	5 mm	6.5 mm	10.5 mm
IBSHY32-830	558595	32 mm ²	830 mm	11 mm	25 mm	3 mm	5 mm	6.5 mm	10.5 mm

Maximum Ampacity Ratings

Cross Section (mm ² /kcmil)	ΔT 30° C	ΔT 35° C	ΔT 40° C	ΔT 45° C	ΔT 50° C	ΔT 55° C	ΔT 60° C	ΔT 65° C	ΔT 70° C	ΔT 75° C	ΔT 80° C	ΔT 100° C	ΔT 120° C	2 Bar Current Coefficient	3 Bar Current Coefficient
	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)		
32/63.15	142	153	164	174	184	193	201	209	217	225	235	263	290	1.6	2

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.