



TEMPA PANO

Enclosures engineered...

*"güvenilir
çözüm ortağınız,
"your reliable
solution partner,"*

HiT
HUMAN INTERFACE TECHNOLOGIES





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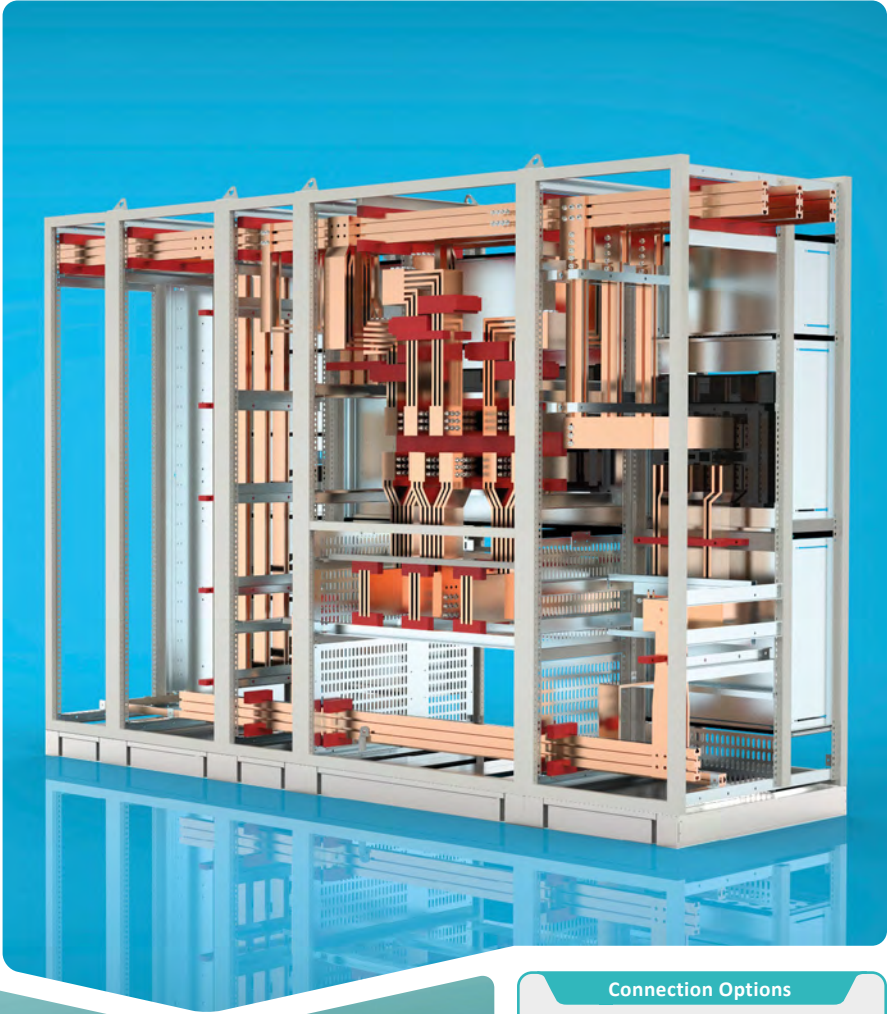
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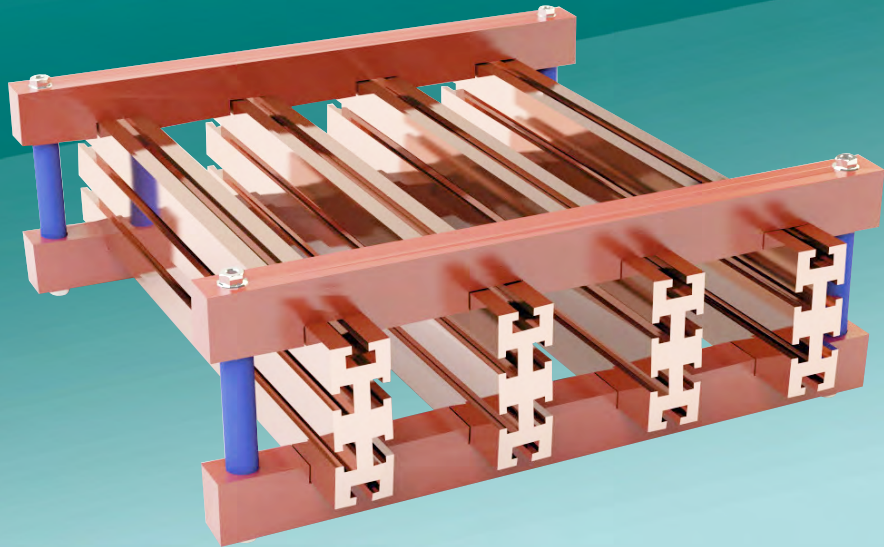
Characteristics

- High mechanical strength
- Advantage of high cooling surface area
- Less isolator requirement for high short-circuit withstand
- Temperature rise and short-circuit withstand tested according to IEC 61439-2
- 3 different lengths compatible with the standard enclosure sizes
- 4 different cross section sizes up to 4000A
- Drilling is not required for the connection
- Easy connection via special nuts and bolts
- Advantage of using standard M10 bolts for the connections
- No-drilling saves power-off time for changes to be made after commissioning

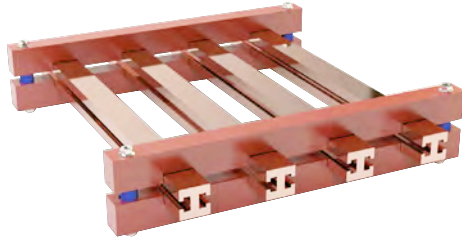
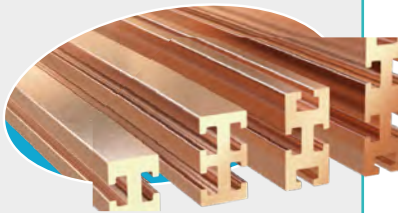
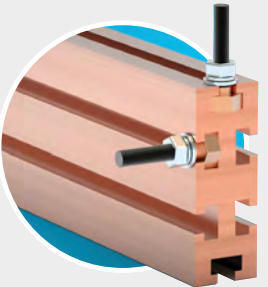
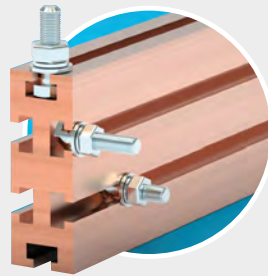
K-BAR[®]
channel bar



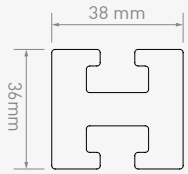
Less labor requirement
reliable and economic
solution



Connection Options



2000A



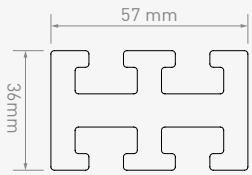
Current Capacity A	Cross Section mm x mm	Length mm	Reference
2000	38 x 36	1130	BRBR 038361130
		1930	BRBR 038361930
		2330	BRBR 038362330
		4660	BRBR 038364660

Cross Section Area mm ²	Perimeter mm
979.2	223.4

Short-circuit Current		Max. Mounting Distance For 3P/4P mm
peak	r.m.s	
132 kA	60 kA	750
176 kA	80 kA	550
220 kA	100 kA	450
264 kA	120 kA	370



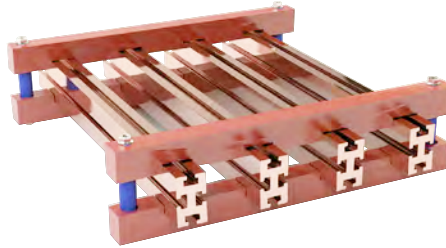
2500A



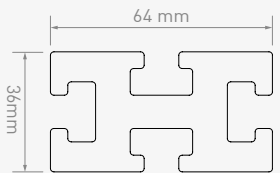
Current Capacity A	Cross Section mm x mm	Length mm	Reference
2500	57 x 36	1130	BRBR 057361130
		1930	BRBR 057361930
		2330	BRBR 057362330
		4660	BRBR 057364660

Cross Section Area mm ²	Perimeter mm
1275.1	338,5

Short-circuit Current		Max. Mounting Distance For 3P/4P mm
peak	r.m.s	
132 kA	60 kA	850
176 kA	80 kA	620
220 kA	100 kA	500
264 kA	120 kA	420



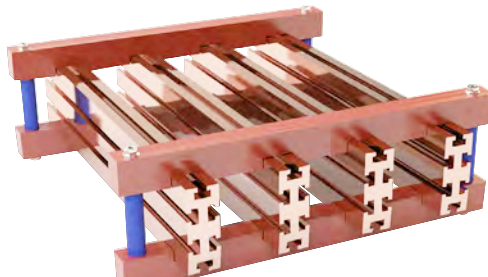
3200A



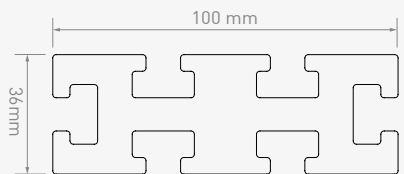
Current Capacity A	Cross Section mm x mm	Length mm	Reference
3200	64 x 36	1130	BRBR 064361130
		1930	BRBR 064361930
		2330	BRBR 064362330
		4660	BRBR 064364660

Cross Section Area mm ²	Perimeter mm
1527.2	352.6

Short-circuit Current		Max. Mounting Distance For 3P/4P mm
peak	r.m.s	
132 kA	60 kA	1000
176 kA	80 kA	750
220 kA	100 kA	600
264 kA	120 kA	500



4000A



Current Capacity A	Cross Section mm x mm	Length mm	Reference
4000	100 x 36	1130	BRBR 100361130
		1930	BRBR 100361930
		2330	BRBR 100362330

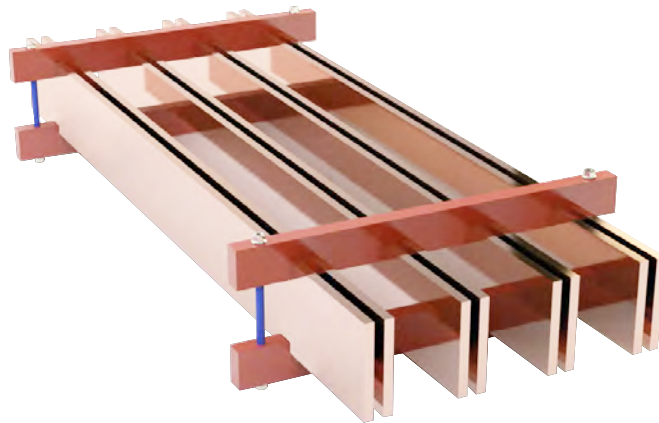
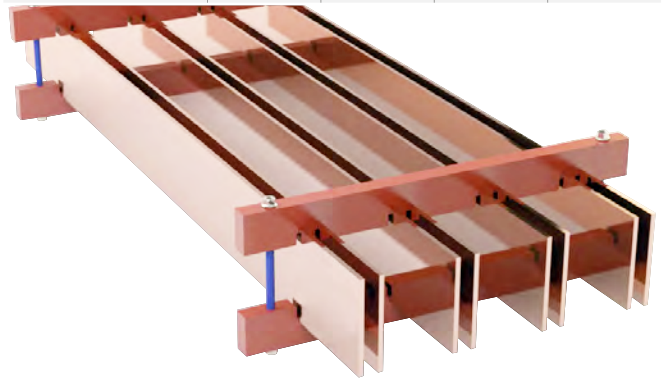
Cross Section Area mm ²	Perimeter mm
2435.2	501.7

Short-circuit Current		Max. Mounting Distance For 3P/4P mm
peak	r.m.s	
132 kA	60 kA	1300
176 kA	80 kA	1000
220 kA	100 kA	800
264 kA	120 kA	600

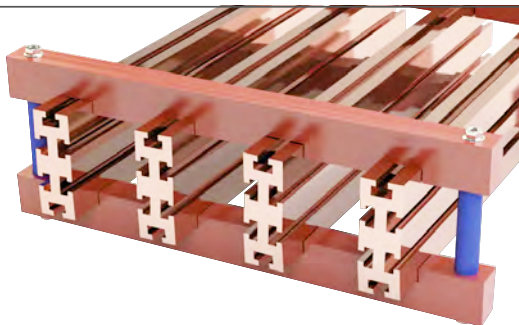
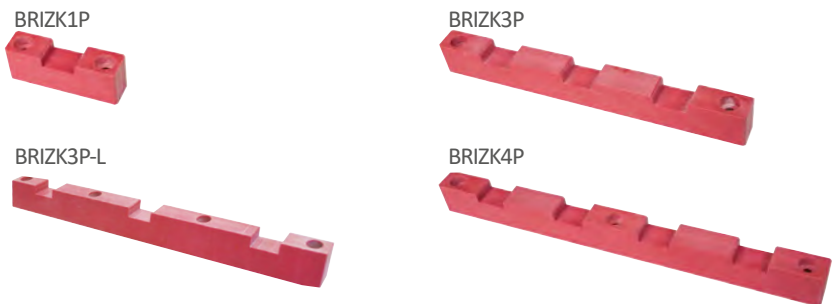
Recommended isolator mounting distances for busbar flat bars

BUSBAR	Short-circuit Current				
	peak r.m.s	40 kA 20 kA	84 kA 40 kA	132 kA 60 kA	165 kA 75 kA
	Maximum mounting distance for 3P/4P Standard Isolators				
	mm	mm	mm	mm	mm
30 * 10 x 1	750	360	230	185	
30 * 10 x 2	670	320	200	160	
40 * 10 x 1	880	420	270	215	
40 * 10 x 2	800	380	245	195	
50 * 10 x 1	1000	480	300	240	
50 * 10 x 2	920	440	280	225	
60 * 10 x 1	1000	520	330	265	
60 * 10 x 2	1000	500	320	250	
80 * 10 x 1	1200	620	390	310	
80 * 10 x 2	1200	610	390	310	
100 * 10 x 1	1200	700	450	360	
100 * 10 x 2	1200	720	450	360	
120 * 10 x 1	1200	780	500	400	
120 * 10 x 2	1200	820	525	400	
160 * 10 x 1	1200	950	600	440	
160 * 10 x 2	1200	1000	650	460	

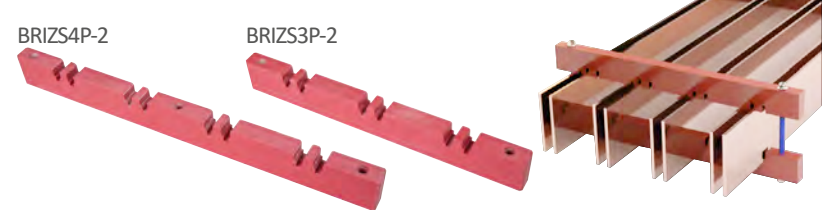
BUSBAR	Short-circuit Current				
	peak r.m.s	40 kA 20 kA	63 kA 30 kA	84 kA 40 kA	110 kA 50 kA
	Maximum mounting distance for 3P/4P Standard Isolators				
	mm	mm	mm	mm	mm
40 * 5 x 1	440	280	210	170	
40 * 5 x 2	400	250	190	155	
50 * 5 x 1	500	320	240	190	
50 * 5 x 2	460	290	220	175	
60 * 5 x 1	550	350	260	210	
60 * 5 x 2	520	330	250	200	
80 * 5 x 1	640	410	310	250	
80 * 5 x 2	640	410	300	245	
100 * 5 x 1	750	470	350	285	
100 * 5 x 2	750	480	360	285	



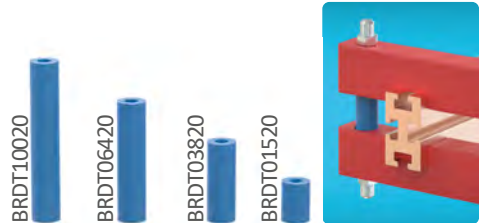
K-BAR Isolators



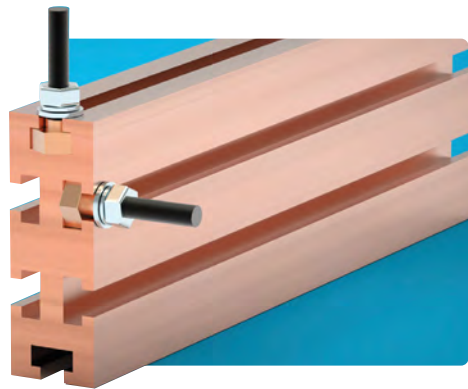
Flat Busbar Isolators



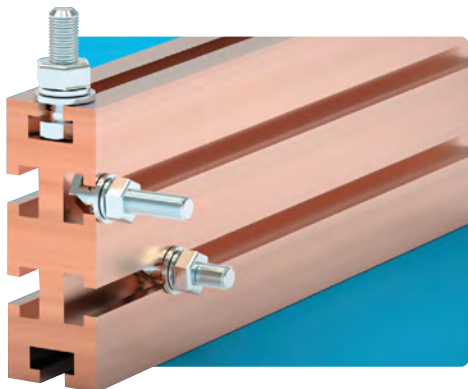
Spacer

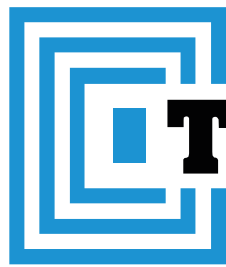


K-Bar M8 nut / M8 setscrew bolt



K-Bar (T) M10 bolt / Standard M10 bolt





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