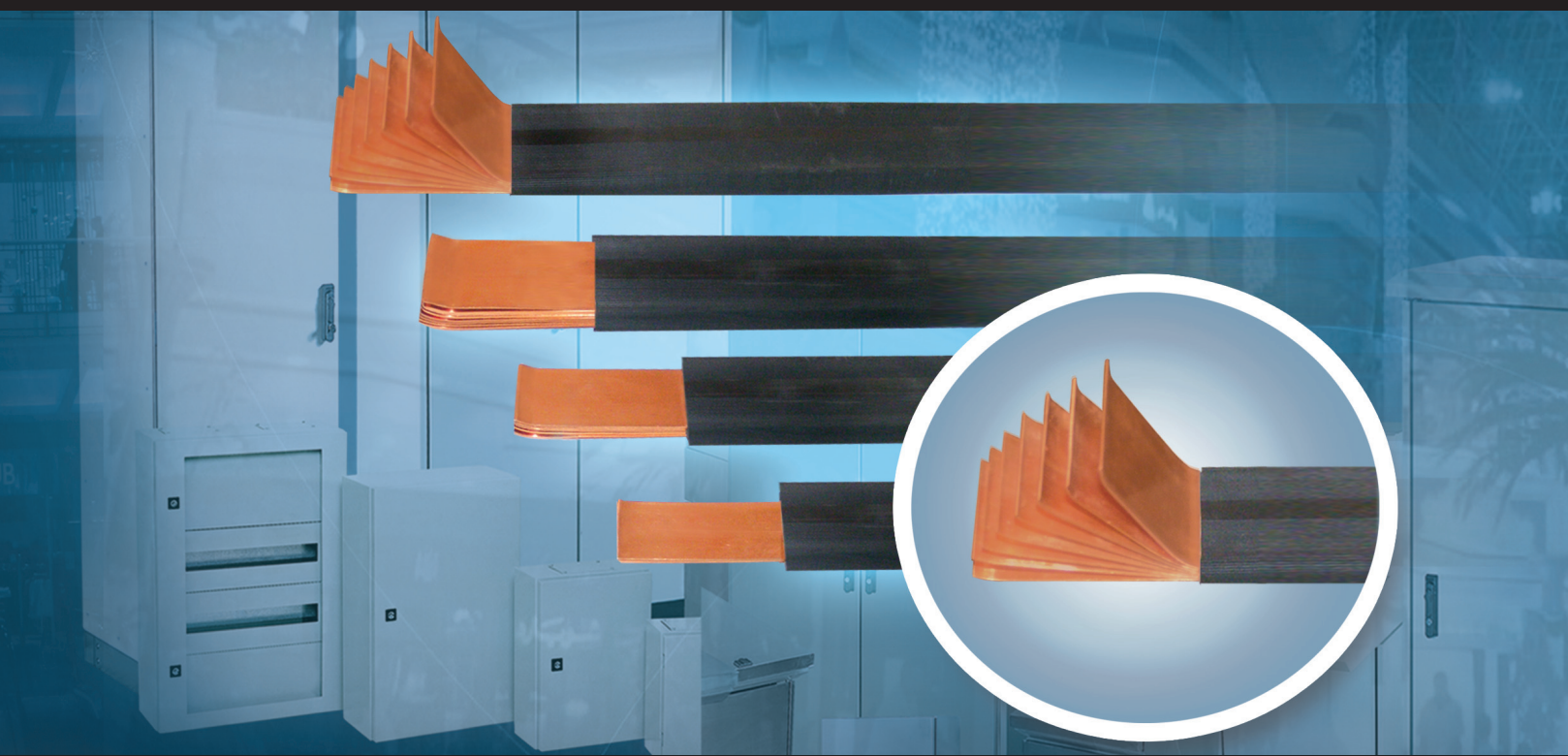


Professional current carrying solutions inside the enclosure



E-BAR FLEXIBLE BUSBAR SYSTEMS

- Flame retardant according to UL94 V0
- Maximum operating temperature 135°C
- Halogen free
- Purity of electrolytic copper %99.99
- Insulation thickness 2±0,5mm

EAE Elektroteknik A.Ş

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E-BAR FLEXIBLE BUSBAR SYSTEMS

E-BAR flexible busbar systems are designed to use for connections between circuit breakers and distribution busbar. E-BAR provides many advantages for electromechanical assembly.

GENERAL CHARACTERISTICS

Insulation material characteristics;

Insulation thickness $2\pm 0,5$ mm
 Flame retardent according to UL94 V0
 Maximum operating temperature 135 °C
 Halogen - free

Conductive material;

Purity of electrolytic copper %99,99

Current Carrying Capacity	Temperature Rise ΔT				
	1K Kelvin \cong 1 °C Celcius				
Flexible Busbar	20K	30K	40K	50K	60K
20x1x2 mm	178 A	214 A	246 A	275 A	300 A
20x1x3 mm	227 A	280 A	323 A	360 A	395 A
24x1x5 mm	320 A	398 A	460 A	514 A	563 A
24x1x6 mm	360 A	438 A	506 A	566 A	620 A
32x1x5 mm	402 A	496 A	573 A	640 A	702 A
32x1x6 mm	457 A	555 A	640 A	715 A	783 A
32x1x8 mm	545 A	667 A	770 A	860 A	943 A
40x1x8 mm	660 A	805 A	930 A	1040 A	1140 A
40x1x10 mm	759 A	915 A	1055 A	1181 A	1295 A
50x1x10 mm	905 A	1080 A	1245 A	1395 A	1525 A

Comments;

- 1- E-BAR flexible busbar temperature rises as ΔT above ambient temperature while current values shown on the table flows through flexible busbar.
- 2- EAE suggests that while determining the cross-section of connections between breakers and distribution busbar, 20 °K temperature difference should be considered.