

BETA Protecting Miniature Circuit Breakers

Busbars

Technical specifications

		5ST3
Standards		EN 60439-1: 2005-01
Busbar material		SF-Cu F 24
Partition material		Plastic, Cyclopy 3600, heat-resistant more than 90 °C Flame-retardant and self-extinguishing, dioxin and halogen-free
Rated operational voltage U_c	V AC	400
Rated current I_n		
• Cross-section 10 mm ²	A	63
• Cross-section 16 mm ²	A	80
Rated impulse withstand voltage U_{imp}	kV	4
Test pulse voltage (1.2/50)	kV	6.2
Rated conditional short-circuit current I_{cc}	kA	25
Resistance to climate		
Humid heat	acc. to IEC 60068-2-30	28 cycles
Insulation coordination		
• Overvoltage category		III
• Degree of pollution		2
Maximum busbar current per phase		
• Cross-section 10 mm ²	A	63
• Cross-section 16 mm ²	A	80
Maximum branch-circuit current per phase		
• Cross-section 10 mm ²	A	100
• Cross-section 16 mm ²	A	130