

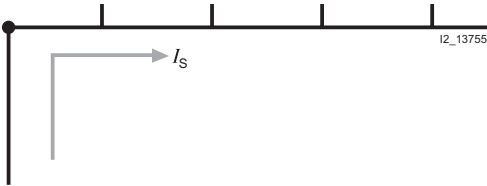
BETA Protecting Residual Current Protective Devices

Busbars

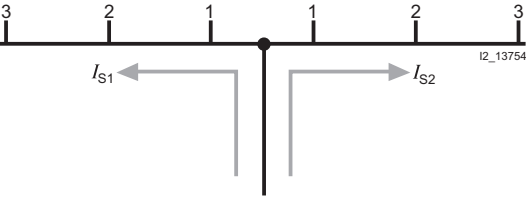
Technical specifications

		5ST3, 5ST2
Standards		EN 60439-1 (VDE 0660-500)
Busbar material		SF-Cu F 24
Partition material		Plastic, Cycoloy 3600 Heat-resistant more than 90 °C Flame-retardant and self-extinguishing, dioxin and halogen-free
Rated operational voltage U_e	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		
• Constant atmosphere	acc. to DIN 50015	23/83; 40/92; 55/20
• Humid heat	acc. to IEC 68-2-30	28 cycles
Insulation coordination	acc. to IEC 664 (VDE 0110-1)	
• 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

Infeed at the busbar end



Infeed near the busbar end or at the busbar center



The sum of the output current per branch must not be greater than the busbar current $I_{S1,2}$ / phase.