

# Technical Data / Specification

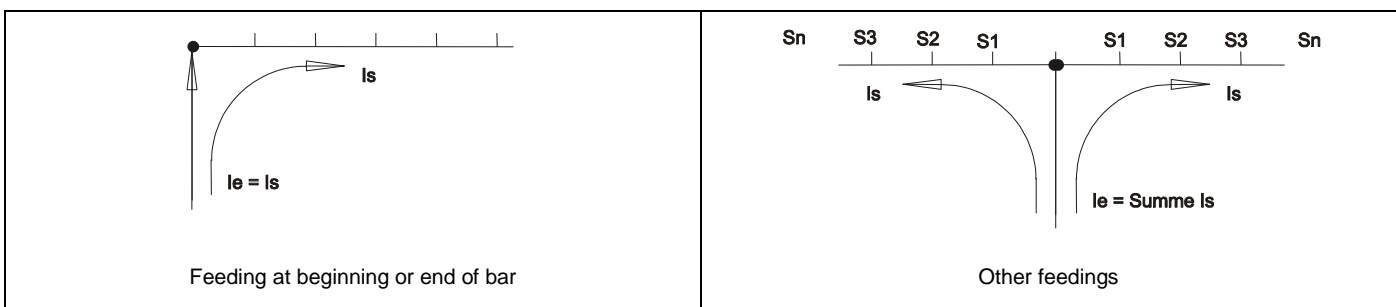


Description:	<b>Busbars – 50²</b>
Type:	<b>1 / 2 / 3 / 4 Phases</b>
Info.:	<b>FTG products are CE conform and correspond to the RoHS of the EU</b>
Note:	<b>Due to security purposes all shortenend Busbars need to be covered with suitable endcovers</b>

<b>Materials:</b>	Busbars: E – Cu 58 F25
	Extruded insulation: PC / ABS
	Injected insulation: PC / ABS
	End cover: PC / ABS
<b>Heat deflection temp.:</b>	PC / ABS extruded: VST B 120 – ISO 306 = 113°C – UL94-V0/1,5
	PC / ABS injected: VST B 120 – ISO 306 = 138°C – UL94-V0/1, 6
<b>Glow wire stability:</b>	PC / ABS extruded: 960°C / 3,2mm and 850°C / 1mm
	PC / ABS injected: 960°C / 1mm
<b>Climate stability:</b>	according to DIN EN 60068
<b>Insulations coordination:</b>	Overvoltage category III / Degree of pollution 2
<b>Comparative tracking index:</b>	PC / ABS extruded: 600V
	PC / ABS injected: 300V
<b>Regulations</b>	DIN EN 60947-1 VDE 0660 part 100 = IEC 60947-1:1999 modified&corrected
<b>Dielectric strenght:</b>	PC / ABS: >32 kV / mm
<b>Impulse voltage strenght:</b>	=/> 5,0 kV (1kV /mmLS)
<b>Min. Air distance:</b>	> 5mm
<b>Min. creeping distance:</b>	> 10mm
<b>Max. operating voltage:</b>	690 V
<b>Rating voltage:</b>	415 V
<b>Breakdown strenght:</b>	25kA

Capacity at 35°C ambient temperature depending of f feeding point

Busbar lenght (meters)	Max. 1	Max. 0,3
Cross section	50mm²	50mm²
<b>Feeding at beginning / ending</b>		
Max. current Is/Phase	160A	250A
Connection cross current	50mm²	95mm²
<b>Other feedings</b>		
Max. feeding Voltage	160A	250A
Cross section of connection	2x35mm²	95mm²



In case of center-feeding, please note that the sum of junction currents S1..Sn per railbranch may not be bigger than the above named max. busbar current Is/Phase