

Electrical Characteristics

Family		SF						
Modular size		1 module			2 module			4 module
Reference		SFH125	SFM125	SFT125	SFH225	SFT225	SFT240	SF263
Thermal current I _{th} (40°C)		25A	25A	25A	25A	25A	40A	63A
Operational frequency		50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Rated operation voltage in AC		230V						
Rated insulation voltage (U _i)		440V	440V	440V	440V	440V	440V	500V
Rated impulse withstand voltage U _{imp}		4 kV	4 kV	3 kV	6 kV	6 kV	6 kV	4 kV
Protection degree		2	2	2	3	2	2	2
Working temperature		-20 to 50°C	-20 to 50°C	-20 to 50°C	-20 to 50°C	-20 to 50°C	-20 to 50°C	-20 to 50°C
Storage temperature		-40 to 80°C	-40 to 80°C	-40 to 80°C	-40 to 80°C	-40 to 80°C	-40 to 80°C	-40 to 80°C

Operational Currents I_e

Rated voltage	Load duty category							
400V AC	AC 22A	25A	25A	25A	25A	25A	40A	63A
400V AC	AC 22B	25A	25A	25A	25A	25A	40A	63A

Short circuit characteristic

Rated short time withstand current 1s I _{cw} (rms)	IEC 60947-3	375A / 1sec					600A / 1sec	4.5kA cond.
Prospective short circuit current (rms)	EN 60669	3kA	3kA	3kA	6kA	6kA	n/a	n/a

Mechanical characteristic

Rigid cable section		35 mm ²	35 mm ²	35mm ²	25 mm ²	25 mm ²	25 mm ²	25 mm ²
flexible cable section		10 mm ²	10 mm ²	10 mm ²	16 mm ²	16 mm ²	16 mm ²	16 mm ²
Tightening torque		1.8 Nm	1.8 Nm	1.8 Nm	1.8 Nm	1.8 Nm	1.8 Nm	1.8 Nm
IP protection degree		20	20	20	20	20	20	20
Mechanical endurance (number of cycle)		200,000	200,000	200,000	200,000	200,000	200,000	100,000
Electrical endurance @ AC22 (number of cycles)		25,000	25,000	25,000	5,000	5,000	2,500	5,000

Overall dimension

Width (mm)		17.5	17.5	17.5	35	35	35	71.5
Height (mm)		83	83	83	83	83	83	90
Depth (mm)		68	68	68	68	68	70	68