



F00009C

ESS Fuses Frame 4



Description

Socomec Frame 4 ESS series power fuses are specially engineered and tested to provide a premium protection in ESS and power distribution with currents from 630A to 1800A with a breaking capacity of 250kA.

General characteristics

- Rated voltage: 1500 Vdc
- Amp rating: 630A-1800A
- Breaking capacity: 250kA
- Time constant: < 5ms
- Class: aBat aR
- Frame 4 in this datasheet is without microswitch
- Optional microswitch available 61S00001

Operating conditions

- T°: -40°C – 120°C
- Altitude: 2000m max / up to 5000m with derating factor
- Humidity: <50% @ 40°C, max 90% @ 20°C

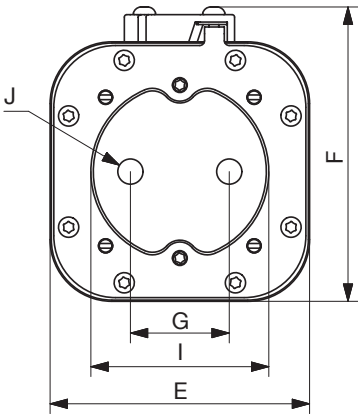
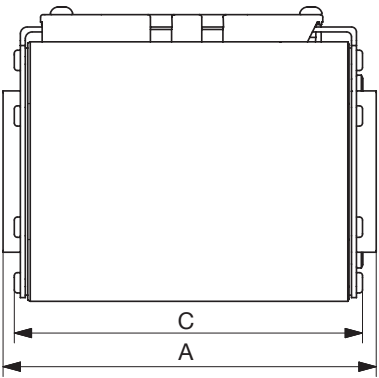
Standards

- UL 248-1 / 248-13
- IEC 60269-1/ 60269-4 / 60269-7
- CCC GB/T13539.4-2016
- RoHS and REACH Compliant

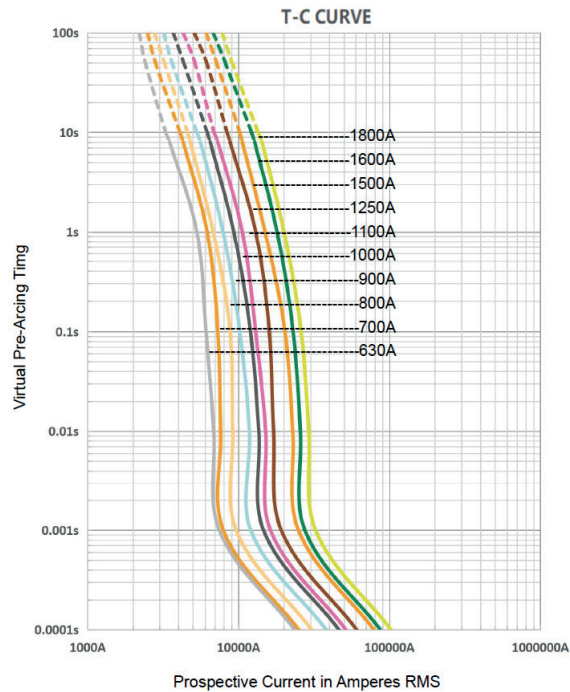
Rated current (A)	I ² t (A ² S)		Power Loss (W 100%)	Reference	Package of
	Pre-Arcing	Total		Flush	
630	45559	515387	185	61S34063	2
700	62908	550508	196	61S34070	2
800	93198	589702	205	61S34080	2
900	145288	892272	209	61S34090	2
1000	214409	1293639	213	61S34100	2
1100	265180	1506364	238	61S34110	2
1250	368330	2275447	248	61S34125	2
1500	622427	3748158	293	61S34150	2
1600	758300	4501500	294	61S34160	2
1800	1050000	6320000	325	61S34180	2

		Flush
A	in	5,98
	mm	152
B	in	/
	mm	/
B2	in	/
	mm	/
C	in	5,55
	mm	141
D	in	/
	mm	/
E	in	59,20
	mm	105
F	in	4,76
	mm	121
G	in	1,57
	mm	40
H	in	/
	mm	/
I	in	2,76
	mm	70
J	Bolt	M10

Mounting type 3 : Flush



Time current curves



Temperature derating

