



553412A

ESS L Fuses Frame 3



Description

Socomec Frame 3 ESS L series power fuses are specially engineered and tested to provide a premium protection in ESS and power distribution with currents from 315A to 1200A with a breaking capacity of 250kA.

General characteristics

- Rated voltage: 1500 Vdc
- Amp rating: 315A – 1200A
- Breaking capacity: 250kA
- Time constant: < 5 ms
- Class: aR, aBat
- Frame 3 in this datasheet is without microswitch
- Optional microswitch available 61S00001
- Strong current limiting capacity

Operating conditions

- T°: -40°C – 120°C
- Altitude: 2000m max.
- Humidity: <50% @ 40°C, max 90% @ 20°C

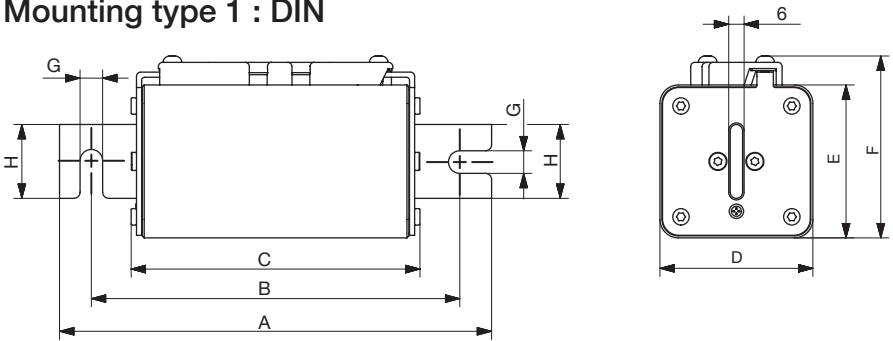
Standards

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

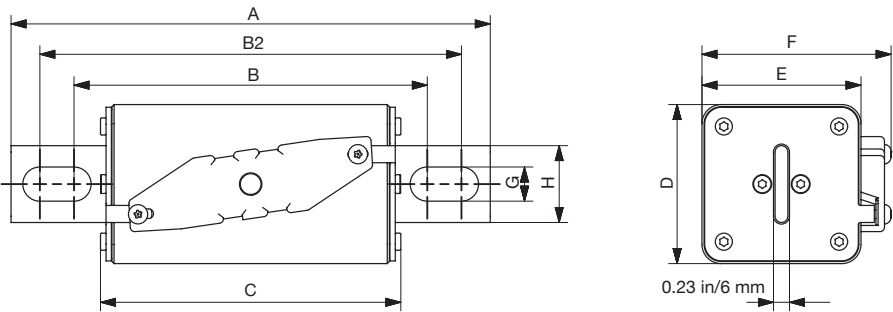
Rated current (A)	I ² t (A ² S)		Power Loss (W 100%)	Reference			Package of
	Pre Arcing	Total		Din	Bolted	Flush	
315	23900	117800	140	61E13032	61E23032	61E33032	6
350	33800	168000	146	61E13035	61E23035	61E33035	6
400	58900	287000	150	61E13040	61E23040	61E33040	6
450	69800	356000	159	61E13045	61E23045	61E33045	6
500	91870	398590	168	61E13050	61E23050	61E33050	6
550	109800	485900	185	61E13055	61E23055	61E33055	6
630	159000	738500	209	61E13063	61E23063	61E33063	6
700	189400	754500	255	61E13070	61E23070	61E33070	6
800	223400	891000	267	61E13080	61E23080	61E33080	6
900	268970	1071000	286	61E13090	61E23090	61E33090	6
1000	315400	1256000	309	61E13100	61E23100	61E33100	6
1100	369800	1473000	335	61E13110	61E23110	61E33110	6
1200	419800	1673000	346	61E13120	61E23120	61E33120	6

		Din	Bolted	Flush
A	in	8,29	8,84	5,96
	mm	211	224,5	152
B	in	7,07	6,52	/
	mm	180	166	/
B2	in	/	7,78	/
	mm	/	198	/
C	in	5,54	5,54	5,50
	mm	141	141	140
D	in	2,93	2,93	2,93
	mm	74,5	74,5	74,5
E	in	2,93	2,93	2,93
	mm	74,5	74,5	74,5
F	in	3,62	3,62	3,62
	mm	92	92	92
G	in	0,43	0,63	/
	mm	11	16	/
H	in	1,42	1,42	/
	mm	36	36	/
I	in	/	/	1,18
	mm	/	/	30
J	Bolt	/	/	M12

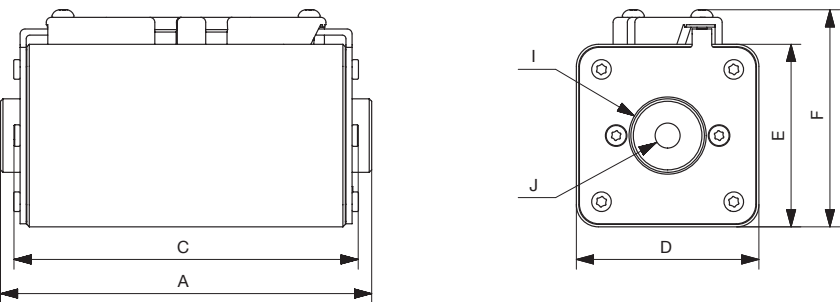
Mounting type 1 : DIN



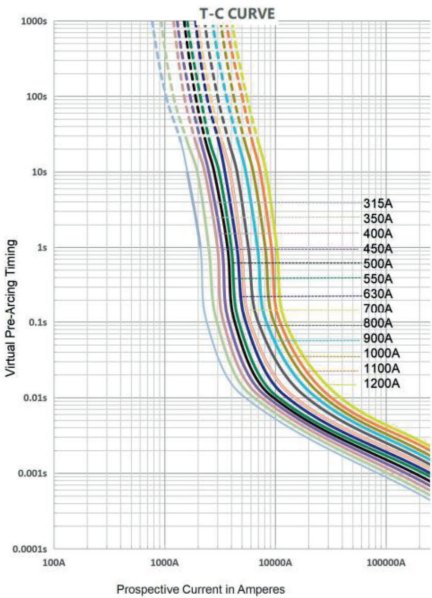
Mounting type 2 : Bolted



Mounting type 3 : Flush



Time current curves



Temperature derating

