



553411A

ESS L Fuses Frame 2



Description

Socomec Frame 2 ESS L series power fuses are specially engineered and tested to provide a premium protection in ESS and power distribution with currents from 100A to 450A with a breaking capacity of 250kA.

General characteristics

- Rated voltage: 1500 Vdc
- Amp rating: 100A – 450A
- Breaking capacity: 250kA
- Time constant: < 5ms
- Class: aR, aBat
- Frame 2 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

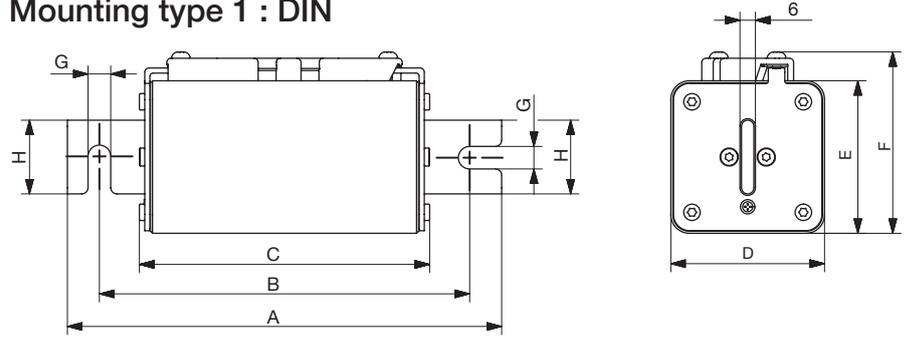
- UL 248-13
- IEC 60269-4/ 60269-7 / 60269-13
- CCC GB/T13539.4-2016
- RoHS and REACH Compliant

Rated current (A)	I ² t (A ² S)		Power Loss (W 100%)	Reference			Package of
	Pre Arcing	Total		DIN	Bolted	Flush	
100	890	3520	48	61E12010	61E22010	61E32010	6
125	2800	7800	56	61E12012	61E22012	61E32012	6
160	4800	16500	62	61E12016	61E22016	61E32016	6
200	9800	28700	71	61E12020	61E22020	61E32020	6
250	17800	55700	91	61E12025	61E22025	61E32025	6
280	25800	83700	99	61E12028	61E22028	61E32028	6
315	36800	108000	110	61E12032	61E22031	61E32032	6
350	49900	140500	115	61E12035	61E22035	61E32035	6
400	77900	230500	126	61E12040	61E22040	61E32040	6
420	91000	285700	130	61E12042	61E22042	61E32042	6
450	110100	332000	135	61E12045	61E22045	61E32045	6

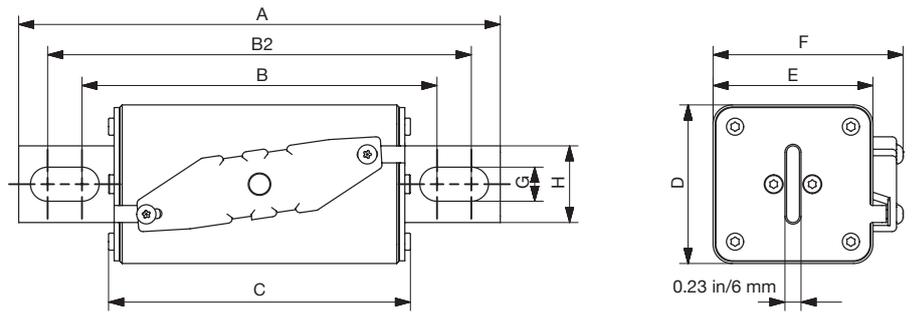
Dual dimensions in/mm

		Din	Bolted	Flush
A	in	8,29	8,76	5,96
	mm	211	222,5	152
B	in	7,07	6,59	/
	mm	180	168	/
B2	in	/	7,78	/
	mm	/	198	/
C	in	5,50	5,50	5,50
	mm	140	140	140
D	in	2,33	2,33	2,33
	mm	59,2	59,2	59,2
E	in	2,33	2,33	2,33
	mm	59,2	59,2	59,2
F	in	3,03	3,03	3,03
	mm	77	77	77
G	in	0,43	0,55	/
	mm	11	14	/
H	in	1,10	1,10	/
	mm	28	28	/
I	in	/	/	0,94
	mm	/	/	24
J	Bolt	/	/	M10

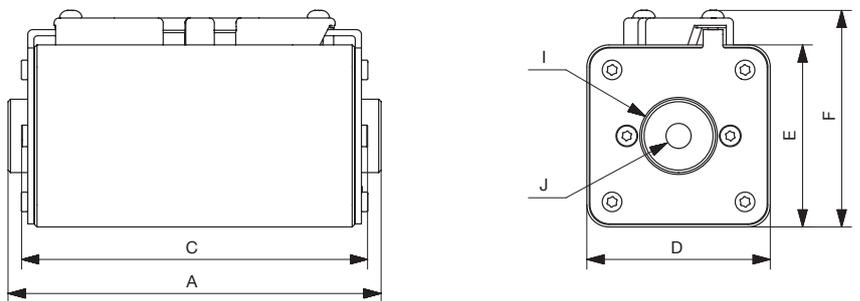
Mounting type 1 : DIN



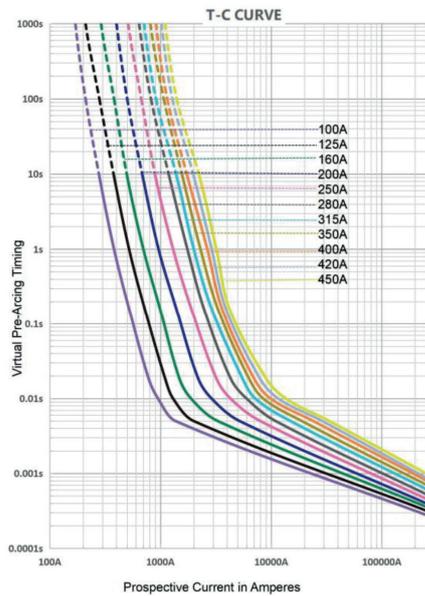
Mounting type 2 : Bolted



Mounting type 3 : Flush



Time current curves



Temperature derating

