

CH10 gPV 1000V - Fuse-links

General characteristics

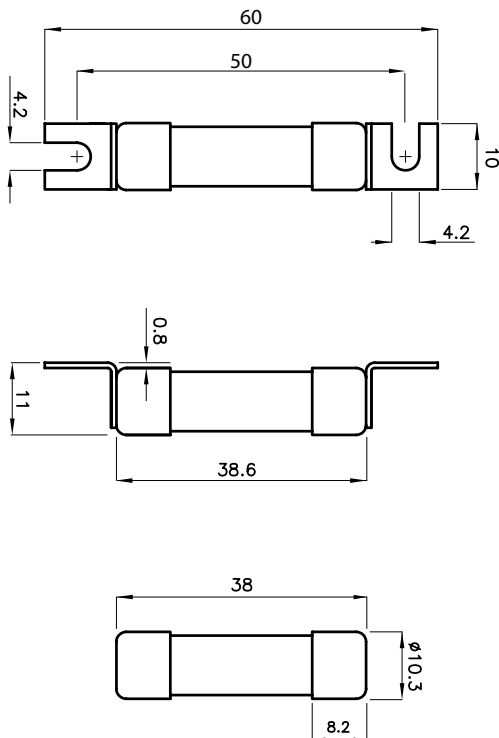
UL file: E347771

Rated voltage	1000V d.c. L/R=2ms
Rated current	0,5 - 25A
Breaking capacity	10kA d.c. UL / 30kA d.c. IEC
Standards	IEC 60269-6, UL 248-19
Application	For protection of photovoltaic modules.



CH10x38 gPV 1000V d.c.

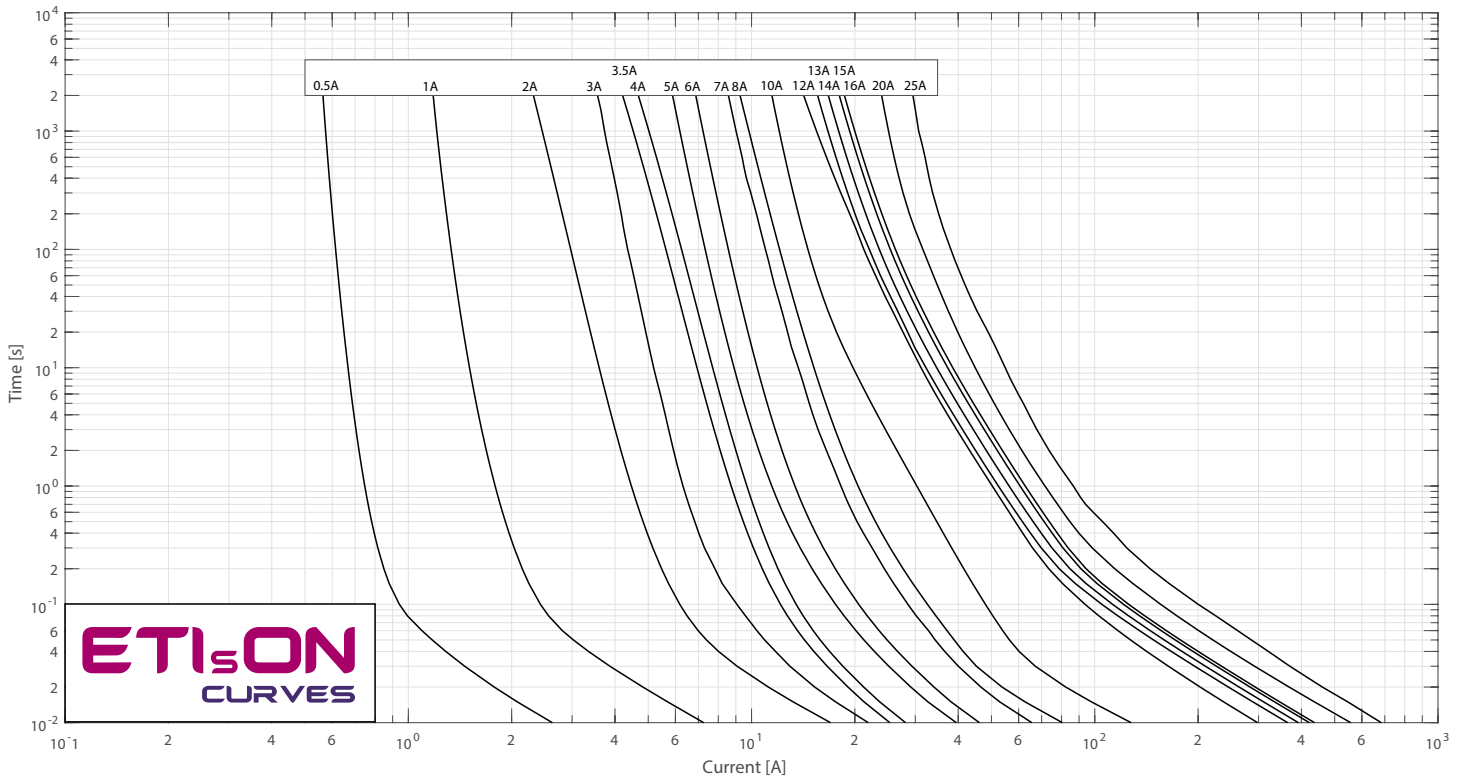
Size	Breaking capacity [kA]	I _n [A]	Code No. "standard contacts" 10kA UL	Code No. "standard contacts" 30kA IEC	Code No. "type SU contacts" 30kA IEC	Pre-arcing Joule integral [A ² s] L/R=2ms	Operating Joule integral [A ² s] L/R=2ms	Power dissipation [0,7 x I _n ²] Pd [W]	Power dissipation [I _n ²] Pd [W]	g	SU: 12	SU: 10/380
0,5	/	/	/	002625134	002625131	0,02	0,07	0,2	0,5			
1	/	/	/	002625138	002625129	1,5	3	0,4	1,0			
2	002625101		002625101	002625065	002625115	1,7	2,3	0,5	1,1			
3	002625100		002625100	002625067	002625113	2,8	5,4	0,7	1,6			
3,5	002625135		002625135	002625068	002625127	2,5	7	0,6	1,4			
4	002625102		002625102	002625069	002625116	3,9	11,7	0,5	1,3			
5	002625111		002625111	002625070	002625124	8	21	0,6	1,5			
6	002625103		002625103	002625071	002625117	10,6	34,6	0,7	1,8			
7	002625110		002625110	002625072	002625114	16	60	0,7	1,7	10	10/500	
8	002625104		002625104	002625073	002625118	17	65	0,8	1,9	SU: 12		SU: 10/380
10	002625105		002625105	002625075	002625119	8,3	33	1,0	2,4			
12	002625106		002625106	002625077	002625120	22	73	0,8	1,9			
13	002625137		002625137	002625078	002625128	21	70	1,0	2,3			
14	002625136		002625136	002625079	002625126	28	92	1,3	3,0			
15	002625112		002625112	002625080	002625125	49	145	1,0	2,2			
16	002625107		002625107	002625081	002625121	48	147	1,1	2,6			
20	002625108		002625108	002625085	002625122	86	245	1,3	3,2			
25	/	/	/	002625139	002625140	110	470	1,7	4,1			



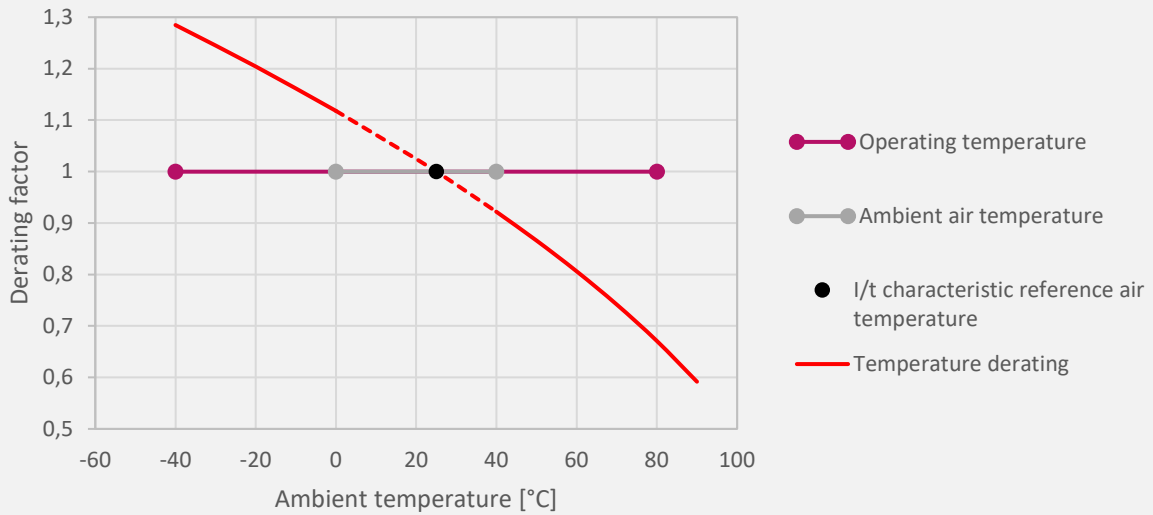
Standard Contacts

Type SU Contacts

Time current characteristics I/t



Ambient air temperature of fuse-link



Legend:

T_{amb} – Ambient Temperature

TDF – Temperature Derating Factor

I_N – Nominal Current of Fuse-link

I_{TDF} – Nominal Current Including Temperature Derating Factor

Current calculation: $I_{TDF} = I_N \times TDF$