HP6M

600VDC Photovoltaic Fuses 10x38mm, Midget

SPECIAL PURPOSE

FOR STRING PROTECTION



HelioProtection®

Mersen's HP6M photovoltaic (PV) fuse series is designed specifically for the protection of PV string wiring for 600VDC residential and commercial rooftop photovoltaic systems. Its enhanced construction makes it ideal for continuous temperature and current cycling withstand adding to system longevity. The 600VDC rated HP6M, designed for low minimum breaking capacity capabilities of 1.35 times the fuse rated current value, allows for safe circuit interruption under typical low fault current conditions produced by PV arrays. Protect your rooftop PV system from unexpected ground faults and string faults using Mersen's HelioProtection® fuse line.

APPLICATIONS

- All photovoltaic applications
- PV string/array level protection
- Combiner box applications
- In-line PV module protection
- Inverters
- Battery charge controllers

CATALOG NUMBERS - FUSE HOLDER

	UltraSafe™ Non-Indicating	UltraSafe™ Indicating
Screw Type	USM1HEL	USM1IHEL
Spring Type	USGM1HEL	USGM1IHEL

For additional information, view catalog page for USCC & USM UltraSafe™ Fuse holders.

RATINGS

- **Volts:** 600VDC
- **Amps:** 1 to 30A
- **I.R.:** 10kA I.R. DC
- **MBC:** 1.35 x I_n
- Photovoltaic Fuse, gPV

FEATURES/BENEFITS

- Low fault current interrupting capability
- Durable construction for enhanced system longevity
- Temperature cycle withstand capability
- Guaranteed operation at temperature extremes
- Industry's first UL Listed Solution
- Globally accepted

APPROVALS/STANDARDS

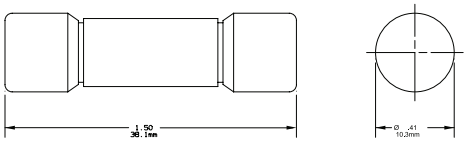
- UL Listed to Standard UL2579 File E333668
- CSA Component Certified C22.2
- IEC 60269-6 Approved

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CATALOG NUMBERS AND ELECTRICAL CHARACTERISTICS

Voltage (VDC)	Amperage (A)	Catalog Number	Reference Number	Watts Loss @ 70% x I_n (W)	Watts Loss @ 80% x I_n (W)	Watts Loss @ 100% x I_n (W)	Interrupting Rating (kA)	Size (mm)
600	1	HP6M1	L1018565	0.14	0.19	0.31	10	10x38
	2	HP6M2	M1018566	0.19	0.26	0.43		
	3	HP6M3	N1018567	0.64	0.85	1.4		
	4	HP6M4	Q1018569	0.58	0.77	1.3		
	5	HP6M5	R1018570	0.65	0.87	1.4		
	6	HP6M6	S1018571	0.69	0.92	1.5		
	7	HP6M7	T1018572	0.83	1.11	1.8		
	8	HP6M8	V1018573	0.92	1.23	2.0		
	10	HP6M10	X1018575	0.96	1.28	2.1		
	12	HP6M12	Y1018576	1.12	1.49	2.5		
	15	HP6M15	Z1018577	0.99	1.32	2.2		
	20	HP6M20	A1018578	1.25	1.67	2.8		
	25	HP6M25	K1018610	1.38	1.84	3.1		
	30	HP6M30	L1018611	1.50	2.00	3.3		

DIMENSIONS



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