

HP6M

600VDC Photovoltaic Fuses 10x38mm, Midget

SPECIAL PURPOSE

FOR STRING PROTECTION



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



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

