

HP15G

1500VDC Class G (10x57mm) Photovoltaic Fuses

SPECIAL PURPOSE

FOR INLINE PV MODULE PROTECTION



Mersen's HP15G photovoltaic (PV) fuse series was engineered specifically for PV module ground fault protection of photovoltaic systems. Its enhanced construction makes it ideal for continuous temperature and current cycling withstand adding to system longevity. The 1500VDC rated HP15G, designed for low minimum breaking capacity capabilities of 1.35 times the fuse rated current value, allows for safe circuit interruption under typical low ground fault current conditions produced by PV arrays. In addition to the standard ferrule terminal, these products are available with Crimp Cap terminals for in-line fuse applications. The unique wire crimp terminal (CC option) permits solderless wire-to-fuse connection for overmold encapsulation of fuse and wiring. Protect your off-grid or grid tied PV system from unexpected ground faults and string faults using Mersen's HeliProtection® fuse line.

APPLICATIONS:

- In-line PV module protection

RATINGS:

- **Volts:** 1500VDC
- **Amps:** 2½A-5A
- **IR:** HP15G2½ to 4A, Self Certified to 50kA I.R.; HP15G5, 10kA I.R.
- **MBC:** 1.35 x In

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
- Available in standard and bulk packaging options

APPROVALS:

- UL Listed to Standard UL2579 File E333668
- IEC 60269-6



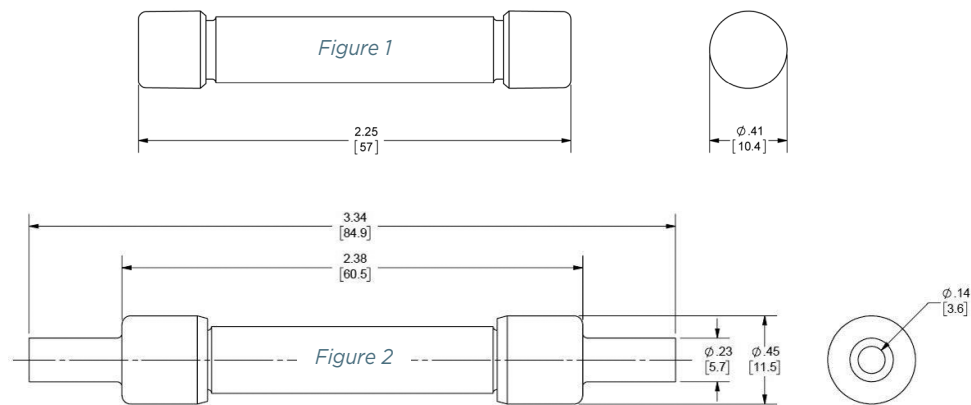
CATALOG NUMBERS AND ELECTRICAL CHARACTERISTICS

Voltage [VDC]	Amperage [A]	Catalog Number	Interrupting Rating [kA]	Size [mm]
1500	2½	HP15G2½*	50	10 x 57 (Figure 1)
	3	HP15G3*		
	3½	HP15G3½*		
	4	HP15G4*		
	5	HP15G5*	10	
	2½	HP15G2½CC**	50	10 x 85 (Figure 2)
	3	HP15G3CC**		
	3½	HP15G3½CC**		
	4	HP15G4CC**		
	5	HP15G5CC**		

* Standard package: 5 fuses. Bulk package (-B suffix) quantity: 88 fuses. Ordering one (1) -B suffixed Catalog Number will yield 88 fuses.

** Standard package: 4 fuses. Bulk package (-B suffix) quantity: 70 fuses. Ordering one (1) -B suffixed Catalog Number will yield 70 fuses.

DIMENSIONS



CC terminal (Fig. 2): Recommended crimping tool: T & B Sta-Kon ERG4002 #10 -12 AWG (6-4 mm²)