

Dual HP15M

1500V DC Midget Photovoltaic Fuses

SPECIAL PURPOSE

INDUSTRY'S FIRST EXTENDED RANGE IN-LINE STRING FUSE
ENGINEERED TO PROTECT PHOTOVOLTAIC APPLICATIONS



RATINGS:

- **Volts:** 1500VDC
- **Amps:** 36, 50A
- **IR:** 50kA I.R. DC
- Photovoltaic Fuse

FEATURES/BENEFITS:

- Low fault current interrupting capability
- Durable construction for enhanced system longevity
- Available in solderable ferrule, and solderable & crimpable wire terminals
- Temperature cycle withstand capability
- Guaranteed operation at temperature extremes
- Industry's first UL Listed extended range in-line fuse solution
- Globally accepted

APPLICATIONS:

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

APPROVALS:

- UL Listed to Standard UL-248-19
- CSA Component Certified C22.2
- IEC 60269-6 Approved (Self Certified)



Mersen's innovative dual HP15M photovoltaic (PV) fuse series was designed specifically for the protection of enhanced photovoltaic systems employing increased string current aggregation. Its precision resistance matched fuse construction ensures balanced load sharing, making it ideal for continuous temperature and current cycling withstand adding to system longevity. The 1500VDC rated HP15M, 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. The tin plated Crimp Cap (CC) wire-crimpable and solderable terminals accept #8 AWG stranded copper PV wire.

CATALOG NUMBERS - AMPS

| Catalog Number (Ferrule) | Catalog Number (Crimp Cap) | Rated Current In (Amps) | Power Dissipation at 0.7xin (Watts) | Power Dissipation at 0.8xin (Watts) | Power Dissipation at 1.0xin (Watts) | Package |
|--------------------------|----------------------------|-------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------|
| HP15M36 | HP15M36CC | 36 | 3.19 | 4.41 | 7.80 | 25 |
| HP15M50 | HP15M50CC | 50 | 3.8 | 5.2 | 9.3 | 25 |

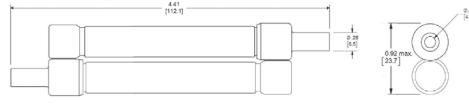
Notes: 1. HP15M(Amp): 2 piece standard pack; 44 piece bulk pack (-B suffix).
2. HP15M(Amp)CC: 2 piece standard pack; 25 piece bulk pack (-B suffix).

DIMENSIONS

Ferrule



Crimp Cap¹



¹ Recommended crimping tool: T & B # ERG2005 or equivalent.