HP15M
1500VDC Midget (10x85mm) Photovoltaic Fuses

SPECIAL PURPOSE

FOR STRING PROTECTION

HelioProtection®

Mersen's HP15M photovoltaic (PV) fuse series is designed specifically for the protection of PV string wiring for 1500VDC utility scale photovoltaic systems. Its robust construction makes 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 and meets the trend for increased voltage for higher efficiency. In addition to the standard ferrule terminal, parts 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 line 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

RATINGS:
- **Volts:** 1500VDC
- **Amps:** 4A - 32A
- **SCCR:** 50kA

Photovoltaic Fuse

FEATURES/BENEFITS:
- Low fault current interrupting capability
- Durable construction for enhanced system longevity
- Temperature cycle withstand capability
- Guaranteed operation at temperature extremes
- Globally accepted
- Recommended fuse holders: HP15FHM32A, US15M1HEL

APPROVALS:
- UL Listed to Standard UL2579
- CSA Component Pending
- IEC 60269-6

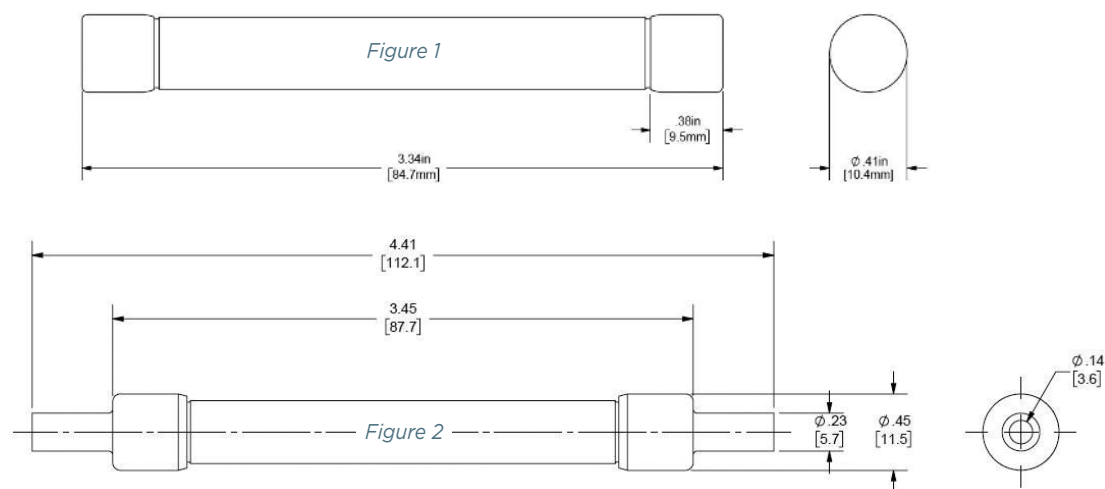MERSEN
Expertise, our source of energy

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)
1500	4	HP15M4*	F1059569	1.03	1.43	2.58	50	10x85 (Figure 1)
	5	HP15M5*	X1055053	0.83	1.14	1.97		
	6	HP15M6*	Q1053667	0.96	1.36	2.44		
	7	HP15M7	R1053668	0.98	1.38	2.46		
	8	HP15M8	S1053669	1.03	1.50	2.60		
	10	HP15M10*	T1053670	1.24	1.79	3.10		
	12	HP15M12	V1053671	1.16	1.71	2.90		
	15	HP15M15*	W1053672	1.28	1.78	3.20		
	20	HP15M20*	X1053673	1.72	2.49	4.30		
	25	HP15M25*	Y1053674	2.14	3.10	5.40		
	30	HP15M30*	Z1053675	2.58	3.60	6.46		
	32	HP15M32*	G1059570	2.84	3.94	7.12		
	4	HP15M4CC**	A1061542	1.03	1.43	2.58		10 x 112 (Figure 2)
	5	HP15M5CC**	B1061543	0.83	1.14	1.97		
	6	HP15M6CC**	D1061545	0.96	1.36	2.44		
	7	HP15M7CC	E1061546	0.98	1.38	2.46		
	8	HP15M8CC	F1061547	1.03	1.50	2.60		
	10	HP15M10CC**	G1061548	1.24	1.79	3.10		
	12	HP15M12CC	H1061549	1.16	1.71	2.90		
	15	HP15M15CC**	J1061550	1.28	1.78	3.20		
	20	HP15M20CC**	K1061551	1.72	2.49	4.30		
	25	HP15M25CC**	L1061552	2.14	3.10	5.40		
	30	HP15M30CC**	M1061553	2.58	3.60	6.46		
	32	HP15M32CC**	N1061554	2.84	3.94	7.12		

Available in 88-piece bulk pack (add -B suffix to Catalog Number). Order quantity of one (1) -B suffix Catalog Number yields 88 fuses.
**Available in 50-piece bulk pack (add -B suffix to Catalog Number). Order quantity of one (1) -B suffix Catalog Number yields 50 fuses.*

DIMENSIONS

Figure 1

.38in [9.5mm]
3.34in [84.7mm]
Ø.41in [10.4mm]

Figure 2

4.41 [112.1]
3.45 [87.7]
Ø.23 [5.7]
Ø.45 [11.5]
Ø.14 [3.6]

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

SP