

HP20P

2000VDC Photovoltaic Fuses 22x85mm

SPECIAL PURPOSE

FOR STRING PROTECTION



Mersen's range of 2000VDC photovoltaic (PV) fuse series is designed specifically to meet higher amperage demands of today's PV circuits. Mersen's 22x85mm form factor is designed to handle the harsh cyclical loads and thermal conditions of our customers' highest amperage applications. These 2000VDC rated fuses are designed for low minimum breaking capacity capabilities of 1.35 times the fuse rated current value, which allows for safe circuit interruption under typical low fault current conditions. In addition to the standard ferrule terminal, fuses are also 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.

Technical Data Overview	
Volts	2000VDC
Amps	20A-60A
Short-Circuit Current Rating (SCCR)	50kA

FEATURES/BENEFITS

- 20A to 60A for higher amperage applications
- Low fault current interrupting capability
- Durable construction for enhanced system longevity
- Temperature and load cycling capability
- Certified to global standards

APPLICATIONS

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

APPROVALS/STANDARDS

- UL 248-19 File No. E333668
- CSA C22.2 Pending
- IEC 60269-6 Pending
- UKCA



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CATALOG NUMBERS AND ELECTRICAL CHARACTERISTICS

The below are preliminary calculated values.

Voltage (VDC)	Amperage (A)	Catalog Number	Interrupting Rating (kA)	80% Amp Rating (W)	100% Amp Rating (W)	Size (mm)	Wire Gauge
2000VDC	20	HP20P20	50kA	4.3	6.8	Figure 1 22x85mm	NA
	25	HP20P25		5.2	8.2		
	30	HP20P30		6.2	9.7		
	32	HP20P32		6.2	9.7		
	35	HP20P35		7.3	11.3		
	40	HP20P40		8.4	13.0		
	45	HP20P45		8.9	13.8		
	50	HP20P50		9.0	14.0		
	55	HP20P55		10.0	15.8		
	60	HP20P60		10.7	16.7		
2000VDC	20	HP20P20CC	50kA	4.3	6.8	Figure 2	10-12 AWG
	25	HP20P25CC		5.2	8.2		10-12 AWG
	30	HP20P30CC		6.2	9.7		10-12 AWG
	32	HP20P32CC		6.2	9.7		10-12 AWG
	35	HP20P35CC		7.3	11.3		10-12 AWG
	40	HP20P40CC		8.4	13.0		6-8 AWG
	45	HP20P45CC		8.9	13.8		6-8 AWG
	50	HP20P50CC		9.0	14.0		6-8 AWG
	55	HP20P55CC		10.0	15.8		6-8 AWG
	60	HP20P60CC		10.7	16.7		6-8 AWG

Catalog Number with CC suffix = Product with Crimp Cap terminals for in-line fuse applications.

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DIMENSIONS

Figure 1

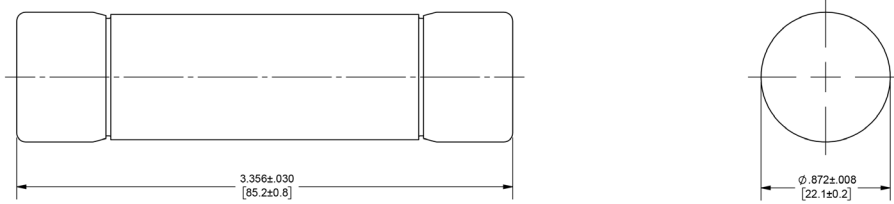
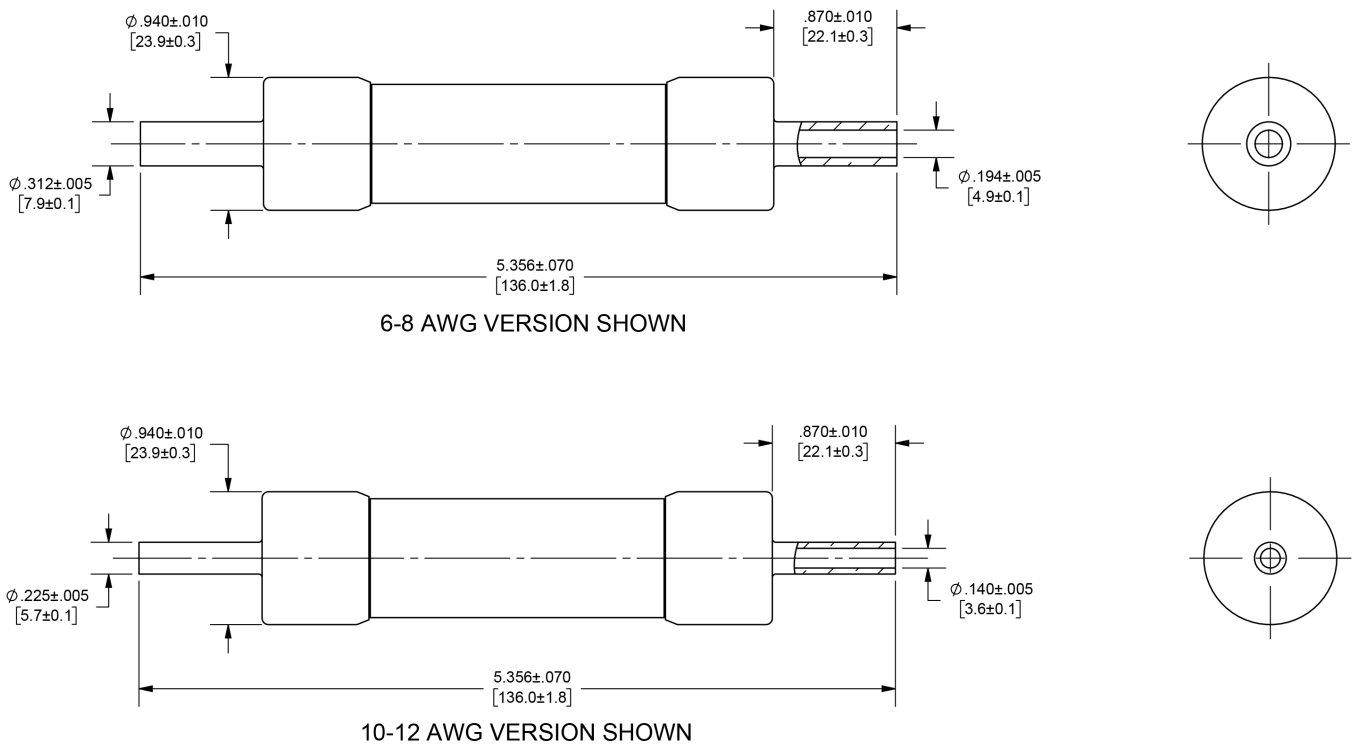


Figure 2



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