HP15FHM32 & US15M1HEL

HelioProtection® Fuse Holders for PV Applications

FUSE BLOCKS & HOLDERS

TOUCH-SAFE DESIGN INCREASES USER SAFETY

HelioProtection®

Mersen's 1500VDC HelioProtection fuse holders for 10/14x85mm gPV fuses introduce the next level of safety for Utility scale photovoltaic applications. The HP15FHM32 fuse holders are also IP20 finger safe, with a rotating fuse carrier like the Mersen UltraSafe® fuse holders. The US15M1HEL fuse holders are finger safe up to an IP20 grade of protection, and feature a pull out, pivoting fuse carrier. All bodies feature high performance UL 94 V-0 rated polymer material, providing superior flammability rating, with exceptional durability and dielectric withstand properties.

The HP15FHM32 series input and output terminals accept standard PV rated wiring and comb bus bars, providing added versatility for end-use installations.

The US15M1HEL is designed with terminals to accept standard stock bus bar eliminating the need for custom combed bus bar, saving cost, time and simplifying installation.

Technical Data Overview: HP15FHM32 and US15M1HEL	
Volts	1500VDC Maximum
Amps	32ADC Maximum
Short-Circuit Current Rating (SCCR)	50kA DC
Operating Temperature	-40 to +125°C

FEATURES/BENEFITS

- UL 94 V-0 Material Flammability Rating
- IP20 rated (finger safe)
- 35 mm DIN Rail Mounting
- Accepts 10/14 x 85mm gPV fuses

APPLICATIONS

- All Utility scale photovoltaic applications
- 1500VDC Combiner Boxes

APPROVALS/STANDARDS

HP15FHM32:

- UL 4248-19
- File# E347822, CSA 22.2
- File# 032169, IEC 60269-2

USM15M1HEL

- UL Recognized Component, evaluated to UL 4248-19 File# E493746,
- CSA 22.2 CSA 22.2 Component File# 265616

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HP15FHM32: ADDITIONAL FEATURES/BENEFITS:

- Wire in/out terminals
- Clamping:
  - HP15FHM32A: Screw clamp, #2 combo head
  - HP15FHM32B: tool-less spring clamp (screw-less, spring pressure, wire termination technology)
- Use with PV-rated copper wire
- Wire range:
  -HP15FHM32A: 1X #4 - #14 AWG (25 - 2.5 mm^2); 2X #8 - 18 AWG (10 - 0.75 mm^2)
  -HP15FHM32B: 1X #6 - #14 AWG (18 - 2.6 mm^2); 2X #10-14 AWG (8 - 2.5 mm^2)
- Required terminal torque (HP15FHM32A only): 22 in-lb/2.5N-m
- Lock Out/Tag Out feature
- Area for customer-applied labeling
- Digital Multimeter (DMM) probe access
- Accepts 10/14 x 85mm gPV fuses
- Recommended gPV fuses: HP15M
- Front loading of the fuse - allows for ease of installation and removal of fuse
- Recommended strip length: 14 mm (0.55")

US15M1HEL: ADDITIONAL FEATURES/BENEFITS:

- Bus bar termination clamp
- Wire terminal for use with 90°C wire
- Wire range: 6-14 stranded, 10-14 solid. Copper wire only.
- Recommended fuse usage: HP15M
- Recommended strip length: 14 mm (0.55")

DISCLAIMER:

- Electrical spacings must adhere to the equipment specifications where the product is deployed.
- End-use temperature testing is mandatory.
- Evaluation of the number of fuse holders connected to the bus bar and their mounting techniques will be conducted in the final application assessment.

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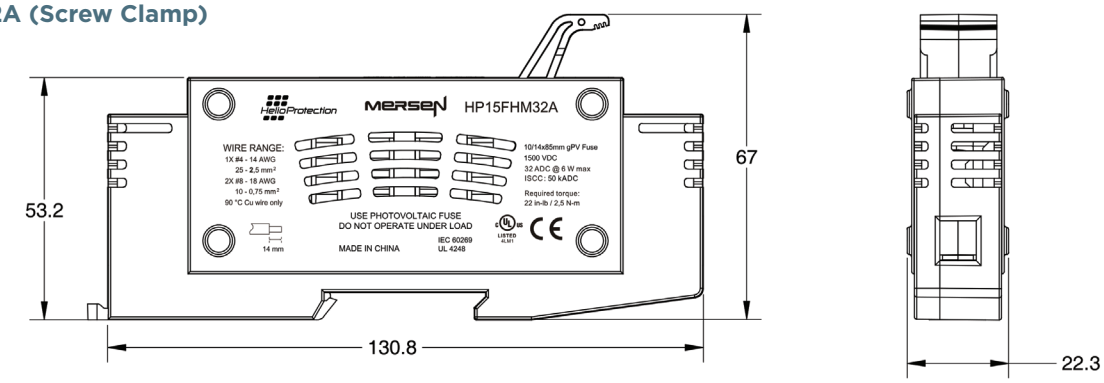
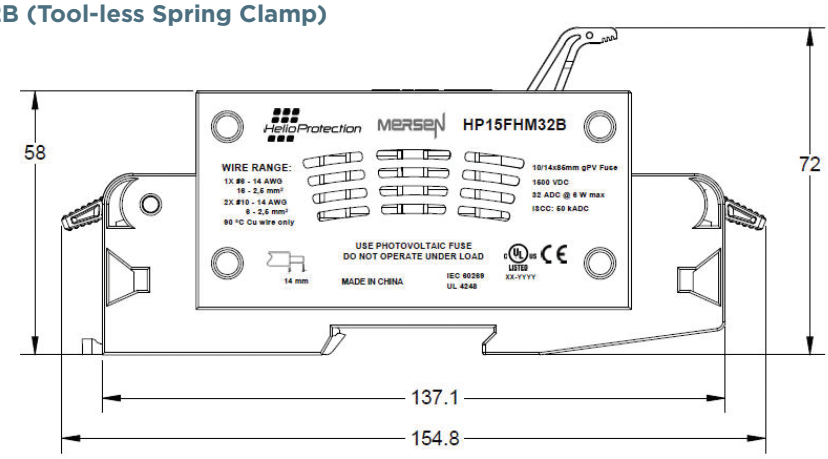
DIMENSIONS (MM):

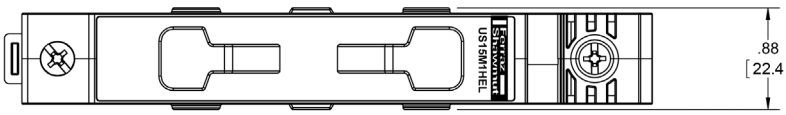
HP15FHM32A (Screw Clamp)

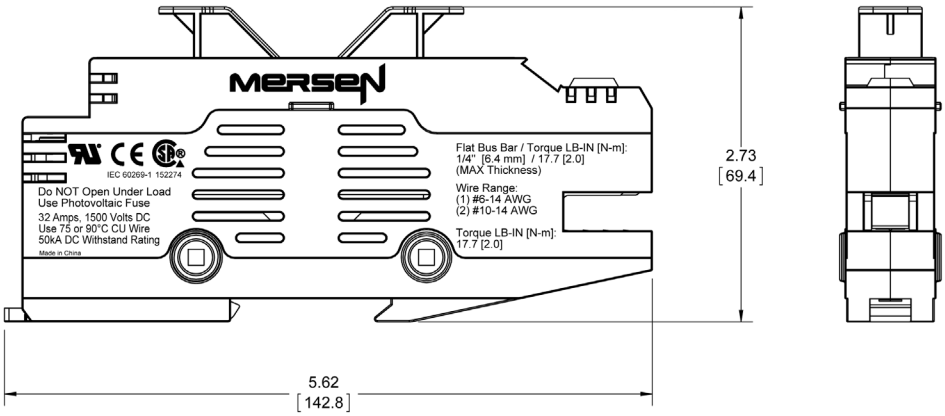


HP15FHM32B (Tool-less Spring Clamp)



US15M1HEL





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