HP15FHP80
HelioProtection® Fuse Holders for PV Applications

FUSE BLOCKS & HOLDERS
UP TO 80A FOR USE IN HIGHER AMPERAGE PV SYSTEMS

Mersen’s 1500VDC HelioProtection fuse holders for 20x65mm PV fuses introduce the next level of safety for higher amperage utility-scale photovoltaic applications. The HP15FHP80 fuse holders are finger safe (IP20 ingress protection rated) and feature a rotating fuse carrier like the Mersen UltraSafe® fuse holders.

The HP15FHP80 series offers two configurations to fulfill global market requirements. One configuration offers input and output terminals that accept standard PV rated wiring and comb bus bars, providing added versatility for end-use installations. The second accepts wire and bus bar terminations. The body features a high performance UL 94 V-0 rated polymer material, providing superior flammability rating, with exceptional durability and dielectric withstand properties.

FEATURES/BENEFITS
- Terminations
  - HP15FHP80W: Wire/Wire
  - HP15FHP80B: Wire/Bus Bar
- Clamping:
  - HP15FHP80W: Screw clamp
  - HP15FHP80B: Patented Bus Bar clamp
- UL 94 V-0 rated
- Use with PV-rated copper wire
  - Wire range: #1-14 AWG CU/AL
- 150V 0 rated (finger safe)
- 35 mm DIN Rail Mounting
- Lock Out/Tag Out feature
- Accepts Mersen HP15P 20x65mm PV fuses
- Front loading of the fuse allows for ease of installation and removal of fuse
- Fuse stabilization feature allows inverted mounting
- Fuse door handle designed with ergonomic grip
- Molded standoffs allow increased air circulation in panel applications

APPLICATIONS
- All photovoltaic applications
- PV string/array level protection
- Combiner box applications
- In-line PV module protection
- Inverters
- Battery charge controllers
- 1500VDC Combiner Boxes

APPROVALS/STANDARDS
HP15FHP80W:
- UL 4248-19 Listed
- IEC 60269-2
- UKCA

HP15FHP80B:
- UL Recognized Component, evaluated to UL 4248-19
- IEC 60269-2
- UKCA

Volts 1500VDC Maximum
Amps 80A Maximum
Short-Circuit Current Rating (SCCR) 50kA DC
Operating Temperature -40 to +125°C
Required terminal torque 22 in-lbs/2.5N·m
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DIMENSIONS (MM):

HP15FHP80W (Wire/Wire)

HP15FHP80B (Wire/Bus Bar)