

# HP10NH1 1000V DC Size NH1 Photovoltaic Fuses

## About the HP10NH1 Fuse

Mersen's HP10NH1 photovoltaic (PV) fuse series was engineered and designed specifically for the protection of photovoltaic systems. Its enhanced fuse construction makes it ideal for continuous temperature and current cycling withstand adding to system longevity. The 1000VDC rated HP10NH1 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. Protect your off-grid or grid tied PV system from unexpected ground faults and line faults using Mersen's HeliProtection® Fuse line.

### Features/Benefits:

- Global acceptance
- Low fault current interrupting capability
- Durable construction for enhanced system longevity
- Temperature cycle withstand capability
- High efficiency with low power losses

### Applications:

- Re-combiner box (sub-combiner, array combiner, master combiner) applications
- Inverter DC input
- Battery charge controllers

### Cross Reference (HP10NH1 will replace):

Bussmann	PV-(amp) ANH1
dF	3732 series
ETI	00411037 series

### Catalog Numbers (amps)

HP10NH1GPV50	HP10NH1GPV100
HP10NH1GPV63	HP10NH1GPV125
HP10NH1GPV80	HP10NH1GPV160

### Catalog Numbers - Fuse Block

Catalog Number	Ampere Rating (A)	Voltage Rating (V)	No. of Poles	Description
HPBB11PPR	250	1000	1	Open Style
HPBB11PPRFS	250	1000	1	Open Style with Protective Cover

For additional information view the HPBB open style fuse block data sheet



### Ratings:

<b>Volts</b>	: 1000VDC
<b>Amps</b>	: 63 to 150A
<b>IR</b>	: 50kA I.R. DC
<b>MBC</b>	: 1.35 x In

Photovoltaic Fuse, gPV

### Approvals:

- IEC 60269-6 Certification
- Pending: UL Listed to Standard 2579, File E333668



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## Electrical Specifications

Catalog Number	Reference Number	Size	Ampere Rating (A)	Voltage Rating (VDC)	Interrupting Rating (kA)	Watts Loss @ 70% x In (W)	Watts Loss @ 100% x In (W)
HP10NH1GPV50	Z1028283	NH1	50	1000	50	4.6	11
HP10NH1GPV63	A1028284	NH1	63	1000	50	5.4	13
HP10NH1GPV80	B1028285	NH1	80	1000	50	6.1	15
HP10NH1GPV100	C1028286	NH1	100	1000	50	7.2	17
HP10NH1GPV125	D1028287	NH1	125	1000	50	7.4	18
HP10NH1GPV160	E1028288	NH1	160	1000	50	9.6	23

## Dimensions (mm)

