

PRODUCT OFFERING

HelioProtection®

Fuse gPV

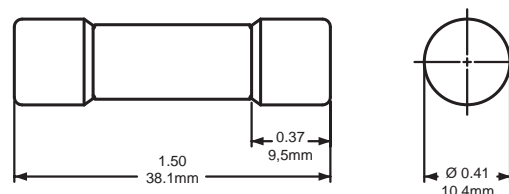
HP10M – 1000VDC



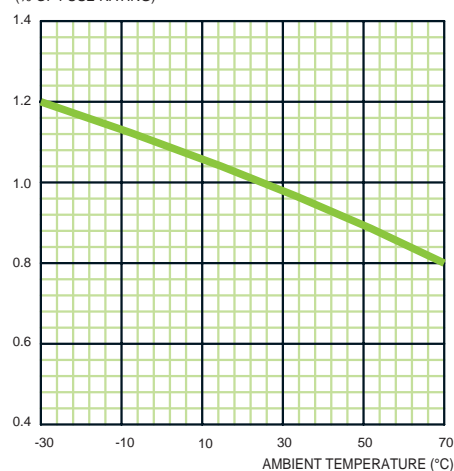
Mersen's HP10M photovoltaic (PV) fuse series is designed specifically to protect the PV modules against the reverse currents. These HP10M fuses, designed for low minimum breaking capacity capabilities of 1.35 times the fuse rated current value, allows for safe circuit interruption under typical low fault current conditions produced by PV arrays.

Minimum Breaking Capacity = 1.35In Maximum Breaking Capacity = 10kA			
Max. Operating Voltage = Rated Voltage	Rated Current	Catalog Number	Packaging
1000VDC UL Listed CSA Certified IEC 60269-6 Approved (gPV)	1	HP10M1	10
	2	HP10M2	
	3	HP10M3	
	4	HP10M4	
	5	HP10M5	
	6	HP10M6	
	7	HP10M7	
	8	HP10M8	
	10	HP10M10	
	12	HP10M12	
	15	HP10M15	
	20	HP10M20	
25	HP10M25		

Drawing



DERATING COEFFICIENT (% OF FUSE RATING)



Fuse holders

Nb of poles	Catalog Number	Reference Number	Nb of modules (17.5mm)	Packaging	Indicator
1	US101HEL	D1009979K	1	12	No
1	US101HEL	Q1009461K	1	12	Yes

Electrical Characteristics

CATALOG NUMBER	70% AMP RATING (W)	80% AMP RATING (W)	100% AMP RATING (W)
HP10M1	0.14	0.2	0.32
HP10M2	0.2	0.27	0.43
HP10M3	0.63	0.9	1.4
HP10M4	0.58	0.8	1.3
HP10M5	0.63	0.9	1.4
HP10M6	0.67	1.0	1.5
HP10M7	0.68	1.1	1.5
HP10M8	0.50	0.7	1.1
HP10M10	0.69	0.9	1.5
HP10M12	0.90	1.3	2.0
HP10M15	1.30	1.9	3.0
HP10M20	2.0	2.6	4.4