

Technical datasheet

Description

Article Number

F1500016202

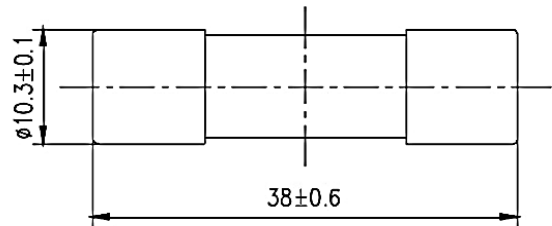
Type description

MPVF 20A, 10X38 GPV 1100 VDC

MERZ PHOTOVOLTAIK FUSE MPVF

suitable for solar photovoltaik power generation system,

Size	10x38
Rated voltage	1.100VDC
Rated current	20A
breaking capacity	33kA
Dissipated power (W)	≤ 4.5
Standard	IEC 60269
Time constant	1-3 ms
Operation Class	gPV
Ambient temperature	-40°C / +90°C
Installatin sea level	< 2.000m above sea level



Fuse Structure

Fuse link	pure silver
Welding	low tin
Capsulation	high-strength porcelain
Tube filling	high pure quartz sand processed as arc medium
Fuse body	Spot welded contact terminals

Fuse cold resistance and power dissipation

Rated current	20A
Pre-arcing I^2t	79.8
Total I^2t	315
0.8 I_n (W)	2.37
1 I_n (W)	3.12

Testing method

gPV appointed time and current of Fuse			
gPV Fuse rated current	Appointed time	Appointed Current	
(A)	h	Inf	If
$I_n \leq 63$	1	$1,13I_n$	$1,45I_n$
$63 < I_n \leq 160$	2		
$160 < I_n \leq 400$	3		
$I_n > 400$	4		

Melting characteristic curve

Time-Current Characteristics

