

## 60PV0500

### Photovoltaic knife edge fuse gPV 3L 1000VDC 500A



#### Strong points

- High breaking capacity
- Product designed for photovoltaic systems
- Increased reliability
- Improved safety

#### General characteristics

- ISC MAX: short-circuit current of the string related to excess sunshine.
- MRI: maximum permissible reverse current.
- In: fuse rating or nominal fuse current (at 25°C in an RM fuse base).
- Nc: number of strings in parallel.
- UE: maximum fuse operating voltage.
- UOC MAX: maximum voltage of an open circuit in lowest temperature conditions

#### Compliance with standards

- IEC 60269-6
- IEC 60269-1
- IEC 60269-2

#### Link to the reference

<https://apac.socomec.com/en/reference/60PV0500>

gPV fuses protect facilities against surges related to reverse currents that can occur in photovoltaic systems.

When to protect

You must protect the PV strings from surges if the current delivered by the set minus one of the parallel strings is greater than the reverse current supported by the type of modules used in this generator.

How to protect

Protecting from overcurrents involves ensuring that both polarities are functionally grounded whether the DC is connected or not.

### Classification

UNSPSC	39121612
ETIM Class	EC000055
IGCC	4908

### Commerce

Effective date	2011-07-13
Country of origin	HU
Length of the product unit	0.074
Width of the product unit	0.19
Depth of the product unit	0.074
Weight	1.92

### ETIM - Electrical characteristics

Voltage type	DC
Rated current [A]	500
Rated voltage DC [V]	1000
Utilization category	gPV (photovoltaic protection)

### ETIM - Technical features

Fuse construction type according to IEC 60269	3L
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### Logistics

GTIN/EAN	3596032616120
Customs number	8536109090
Price unit	PC
Weight of the packing unit	1.92
Length of the packing unit	0.085
Width of the packing unit	0.095
Depth of the packing unit	0.22

### Norms

Conformity to standards	IEC
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### Technical Characteristics

Fuse melting indicator	with T indicator
Fuse size	NH3 L
Rated voltage	1000 VDC
Rated current	500
Type	gPV