

60PV0016

Photovoltaic cylindrical fuse gPV 30kA 10x38 1000Vdc 16A



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.
- IRM: 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/60PV0016>

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.

----- System -----

| | |
|-----------------------------|-----|
| Fill rate E-Order Common | 100 |
| Fill rate E-Order Selection | 100 |

Classification

| | |
|------------|----------|
| UNSPSC | 39121609 |
| ETIM Class | EC002704 |
| IGCC | 4905 |

Commerce

| | |
|----------------------------|------------------|
| Effective date | 2010-06-28 |
| Country of origin | ES |
| Discount Policy | 1CF10 |
| Discount Policy Label | CYLINDRICAL FUSE |
| Length of the product unit | 0.038 |
| Width of the product unit | 0.0103 |
| Depth of the product unit | 0.0105 |
| Weight | 0.01 |

ETIM - Electrical characteristics

| | |
|---------------------------------|-------------------------------|
| Breaking capacity [kA] | 30 |
| Power loss at rated current [W] | 2.7 |
| Voltage type | DC |
| Rated current [A] | 16 |
| Rated voltage [V] | 1000 |
| Utilization category | gPV (photovoltaic protection) |

ETIM - Mechanical characteristics

| | |
|------|----------|
| Size | 14x51 mm |
|------|----------|

ETIM - Technical features

| | |
|-------|--------------|
| Model | Ceramic fuse |
|-------|--------------|

Logistics

| | |
|----------------------------|---------------|
| GTIN/EAN | 3596032012151 |
| Customs number | 8536105090 |
| Price unit | PC |
| Weight of the packing unit | 0.01 |
| Length of the packing unit | 0.01 |
| Width of the packing unit | 0.01 |
| Depth of the packing unit | 0.038 |

Norms

| | |
|-------------------------|-----|
| Conformity to standards | IEC |
|-------------------------|-----|

Technical Characteristics

| | |
|------------------------|-----------------|
| Fuse melting indicator | without striker |
|------------------------|-----------------|

| | |
|---------------|----------|
| Fuse size | 10x38 |
| Rated voltage | 1000 VDC |
| Rated current | 16 |
| Type | gPV |