

## 61PV0012

# Photovoltaic cylindrical fuse gPV 10x85 1500Vdc 12A

### 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

### Access to resources (ex: manuals)

<https://www.socomec.co.uk/en-gb/reference/61PV0012>

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	39121609
ETIM Class	EC002704
IGCC	4905

### Commerce

Effective date	2013-07-05
Obsolescence date	2021-07-31
Production ban date	2021-12-31
Country of origin	ES
Length of the product unit	0.085
Width of the product unit	0.0103
Depth of the product unit	0.0105

### ETIM - Electrical characteristics

Breaking capacity [kA]	30
Voltage type	DC
Rated current [A]	12
Rated voltage [V]	1500
Utilization category	gPV (photovoltaic protection)

### ETIM - Mechanical characteristics

Size	14x51 mm
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### ETIM - Technical features

Model	Ceramic fuse
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### Logistics

GTIN/EAN	3596032758998
Customs number	8536101090
Price unit	PC
Weight of the packing unit	0.015

### Norms

Conformity to standards	IEC
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### Technical Characteristics

Fuse melting indicator	without striker
Fuse size	10x85
Rated voltage	1500 VDC
Rated current	12
Type	gPV