

60PV0003

Photovoltaic cylindrical fuse gPV 30kA 10x38 1000Vdc 3A



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/60PV0003>

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	2010-06-28
Obsolescence date	2023-02-14
Production ban date	2023-02-14
Country of origin	ES
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]	1.57
Voltage type	DC
Rated current [A]	3
Rated voltage [V]	1000
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	3596032012083
Customs number	8536101090
Price unit	PC
Weight of the packing unit	0.01
Length of the packing unit	0.04
Width of the packing unit	0.005
Depth of the packing unit	0.005

Norms

Conformity to standards	IEC
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Technical Characteristics

Fuse melting indicator	without striker
Fuse size	10x38
Rated voltage	1000 VDC
Rated current	3

Type	gPV
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