

60PV1400

Photovoltaic knife edge fuse gPV NH3 1000VDC 400A



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/60PV1400>

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	2015-03-16
Country of origin	IN
Length of the product unit	0.075
Width of the product unit	0.152
Depth of the product unit	0.07
Weight	1.03

ETIM - Electrical characteristics

Voltage type	DC
Rated current [A]	400
Rated voltage DC [V]	1000
Utilization category	gPV (photovoltaic protection)

ETIM - Technical features

Fuse construction type according to IEC 60269	NH3
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Logistics

GTIN/EAN	3596032851101
Customs number	8536109090
Price unit	PC
Weight of the packing unit	1.03
Length of the packing unit	0.08
Width of the packing unit	0.15
Depth of the packing unit	0.04

Norms

Conformity to standards	IEC
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Technical Characteristics

Fuse melting indicator	with T indicator
Fuse size	NH3
Rated voltage	1000 VDC
Rated current	400
Type	gPV