

**FUSE 10X38 25A 1000 VDC GPV S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Similar to illustration**

The gPV cylindrical fuse cartridges are designed to provide compact, safe and economical protection of photovoltaic modules (field protection) with voltages up to 1,500 DC. They provide protection against both overload and short circuit (gPV class according to the requirements of IEC60269-6 and UL248-19 standards). Made of a ceramic tube with high internal pressure and thermal shock resistance, allowing high switching capacity in a small space. The contacts are made of silver-plated copper and the fusible elements of pure silver to avoid ageing and thus keep the electrical characteristics invariable. They are available in the sizes 10x38 mm, 10x85 mm and 22x58 mm.

**General ordering data**

|            |                                                         |
|------------|---------------------------------------------------------|
| Version    | Photovoltaics, Cartridge fuse, 1000 V, 10x38, gPV, 25 A |
| Order No.  | <a href="#">2827990000</a>                              |
| Type       | FUSE 10X38 25A 1000 VDC GPV S                           |
| GTIN (EAN) | 4064675367819                                           |
| Qty.       | 10 items                                                |

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**Technical data****Approvals**

Approvals



ROHS Conform

**Dimensions and weights**

|          |         |                 |             |
|----------|---------|-----------------|-------------|
| Height   | 38 mm   | Height (inches) | 1.4961 inch |
| Width    | 10 mm   | Width (inches)  | 0.3937 inch |
| Diameter | 10.3 mm | Net weight      | 7.8 g       |

**Temperatures**

|                     |                |                             |             |
|---------------------|----------------|-----------------------------|-------------|
| Storage temperature | -40°C ... 90°C | Operating temperature range | -40...80 °C |
|---------------------|----------------|-----------------------------|-------------|

**Environmental Product Compliance**

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

**Fuse cartridge**

|                      |                               |                         |       |
|----------------------|-------------------------------|-------------------------|-------|
| Fuse-link standard   | IEC 60269-1, gPV (EN 60269-6) | Current                 | 25 A  |
| Rated DC voltage     | 1000 V                        | Rated breaking capacity | 10 kA |
| Material of contacts | silver-plated                 | Power dissipation, max. | 3.5 W |

**Classifications**

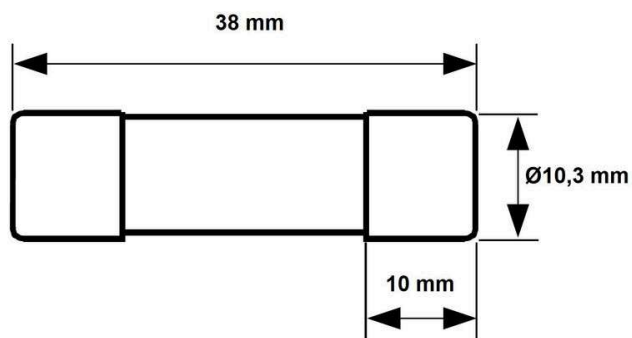
|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC002704    | ETIM 9.0    | EC002704    |
| ETIM 10.0   | EC002704    | ECLASS 14.0 | 27-14-20-02 |
| ECLASS 15.0 | 27-14-20-02 |             |             |

## FUSE 10X38 25A 1000 VDC GPV S

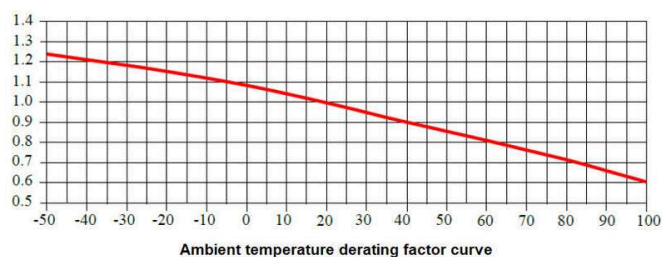
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## Drawings

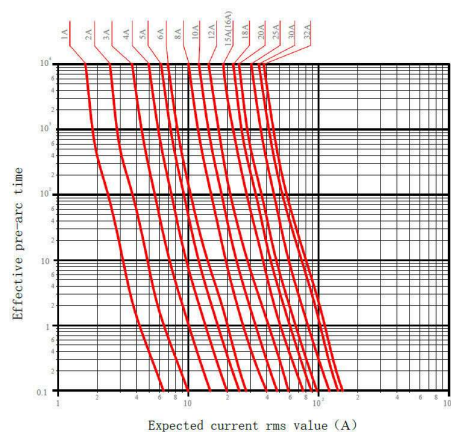


## Derating curve



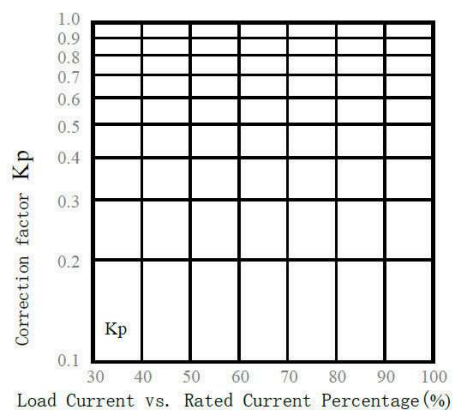
Ambient temperature derating factor curve

## Graph



T-I characteristic curve

## Graph



Power loss correction factor chart