

FUSE 10X38 20A 1000 VDC GPV S

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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, 20 A
Order No.	2827980000
Type	FUSE 10X38 20A 1000 VDC GPV S
GTIN (EAN)	4064675367802
Qty.	10 items

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Technical data

Approvals

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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	10.8 g

Temperatures

Storage temperature	-40°C ... 90°C	Operating temperature range	-40...80 °C
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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, IEC 60269-6, gPV (EN 60269-6)	Current	20 A
Rated DC voltage	1000 V	Rated breaking capacity	10 kA
Material of contacts	silver-plated	Power dissipation, max.	3.2 W

Classifications

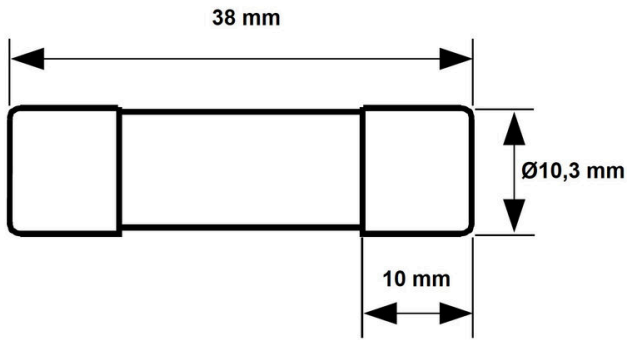
ETIM 8.0	EC002704	ETIM 9.0	EC002704
ETIM 10.0	EC002704	ECLASS 14.0	27-14-20-02
ECLASS 15.0	27-14-20-02		

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Drawings

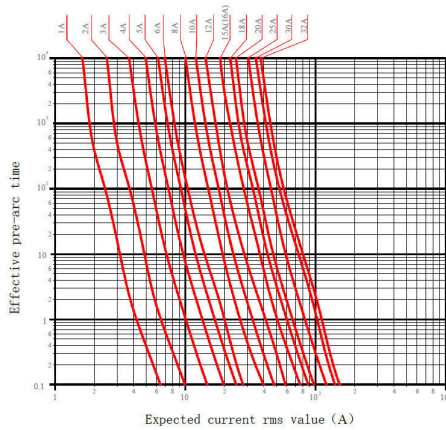


Derating curve



Ambient temperature derating factor curve

Graph



T-I characteristic curve

Graph



Power loss correction factor chart