

## FUSE 10X38 20A 1000 VDC GPV

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

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, 20 A
Order No.	<a href="#">2783280000</a>
Type	FUSE 10X38 20A 1000 VDC GPV
GTIN (EAN)	4064675060000
Qty.	10 items

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Dimensions and weights**

Depth	10 mm	Depth (inches)	0.3937 inch
Height	38 mm	Height (inches)	1.4961 inch
Width	10 mm	Width (inches)	0.3937 inch
Diameter	10.3 mm	Net weight	7.6 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, gPV (EN 60269-6)	Current	20 A
Rated DC voltage	1000 V	Rated breaking capacity	30 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

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Graph



T-I characteristic curve

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## Accessories

### DC generator combiner boxes with fuses



PV Next combiner boxes for inverters with 1 to 12 MPP trackers are used to protect the DC side of a photovoltaic system. The combiner boxes protect the inverter against overvoltages and thus comply with the European Directive CLC/TS 51643-32. In addition, these products offer the possibility to protect the system against reverse currents and the possibility to combine strings to save cables during installation.

### General ordering data

Type	PVN DC 3IF 3O 1MPP SW S...	Version
Order No.	<a href="#">2683050000</a>	Photovoltaics, Combiner Box, PV Next, 1000 V, 1 MPP, 3 Inputs /
GTIN (EAN)	4050118699869	3 Outputs per MPP, With fuse holder, Surge protection I / II, Switch
Qty.	1 ST	disconnecter, Cable gland
Type	PVN DC 3IF 3O 1MPP SW S...	Version
Order No.	<a href="#">2683090000</a>	Photovoltaics, Combiner Box, PV Next, 1000 V, 1 MPP, 3 Inputs /
GTIN (EAN)	4050118699906	3 Outputs per MPP, With fuse holder, Surge protection I / II, Switch
Qty.	1 ST	disconnecter, WM4C
Type	PVN1M1I3S0F3V2O0TXPX10	Version
Order No.	<a href="#">2683250000</a>	Photovoltaics, Combiner Box, 1000 V, 1 MPP, 3 Inputs / 3 Outputs
GTIN (EAN)	4050118700183	per MPP, With fuse holder, Surge protection II, Switch disconnecter,
Qty.	1 ST	Cable gland
Type	PVN1M1I3S0F3V2O1TXPX10	Version
Order No.	<a href="#">2683290000</a>	Photovoltaics, Combiner Box, 1000 V, 1 MPP, 3 Inputs / 3 Outputs
GTIN (EAN)	4050118699982	per MPP, With fuse holder, Surge protection II, Switch disconnecter,
Qty.	1 ST	WM4C
Type	PVN DC 3IF 3O 1MPP SPD1...	Version
Order No.	<a href="#">2683030000</a>	Photovoltaics, Combiner Box, PV Next, 1000 V, 1 MPP, 3 Inputs /
GTIN (EAN)	4050118699852	3 Outputs per MPP, With fuse holder, Surge protection I / II, Cable
Qty.	1 ST	gland
Type	PVN DC 3IF 3O 1MPP SPD1...	Version
Order No.	<a href="#">2683070000</a>	Photovoltaics, Combiner Box, PV Next, 1000 V, 1 MPP, 3 Inputs / 3
GTIN (EAN)	4050118700053	Outputs per MPP, With fuse holder, Surge protection I / II, WM4C
Qty.	1 ST	
Type	PVN1M1I3SXF3V2O0TXPX10	Version
Order No.	<a href="#">2683230000</a>	Photovoltaics, Combiner Box, 1000 V, 1 MPP, 3 Inputs / 3 Outputs
GTIN (EAN)	4050118699975	per MPP, With fuse holder, Surge protection II, Cable gland
Qty.	1 ST	
Type	PVN1M1I3SXF3V2O1TXPX10	Version
Order No.	<a href="#">2683270000</a>	Photovoltaics, Combiner Box, 1000 V, 1 MPP, 3 Inputs / 3 Outputs
GTIN (EAN)	4050118700176	per MPP, With fuse holder, Surge protection II, WM4C
Qty.	1 ST	
Type	PVN1M1I6S0F3V0O0TXPX10	Version
Order No.	<a href="#">2737550000</a>	Photovoltaics, Combiner Box, 1000 V, 1 MPP, 6 Inputs / 6 Outputs
GTIN (EAN)	4050118824858	per MPP, With fuse holder, Surge protection II, Switch disconnecter,
Qty.	1 ST	Cable gland
Type	PVN1M1I6S0F3V0O1TXPX10	Version
Order No.	<a href="#">2737500000</a>	Photovoltaics, Combiner Box, 1000 V, 1 MPP, 6 Inputs / 6 Outputs
GTIN (EAN)	4050118824834	per MPP, With fuse holder, Surge protection II, Switch disconnecter,
Qty.	1 ST	WM4C

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Type	PVN DC 6IF 7O 1MPP SW S...	Version
Order No.	<a href="#">2737530000</a>	Photovoltaics, Combiner Box, PV Next, 1000 V, 1 MPP, 6 Inputs /
GTIN (EAN)	4032248395552	6 Outputs per MPP, With fuse holder, Surge protection I / II, Switch
Qty.	1 ST	disconnecter, Cable gland
Type	PVN DC 6IF 7O 1MPP SW S...	Version
Order No.	<a href="#">2737480000</a>	Photovoltaics, Combiner Box, PV Next, 1000 V, 1 MPP, 6 Inputs /
GTIN (EAN)	4032248395538	6 Outputs per MPP, With fuse holder, Surge protection I / II, Switch
Qty.	1 ST	disconnecter, WM4C
Type	PVN1M1I6SXF3V000TXPX10	Version
Order No.	<a href="#">2737540000</a>	Photovoltaics, Combiner Box, 1000 V, 1 MPP, 6 Inputs / 6 Outputs
GTIN (EAN)	4050118824841	per MPP, With fuse holder, Surge protection II, Cable gland
Qty.	1 ST	
Type	PVN1M1I6SXF3V001TXPX10	Version
Order No.	<a href="#">2737490000</a>	Photovoltaics, Combiner Box, 1000 V, 1 MPP, 6 Inputs / 6 Outputs
GTIN (EAN)	4050118824827	per MPP, With fuse holder, Surge protection II, WM4C
Qty.	1 ST	
Type	PVN DC 6IF 7O 1MPP SPD1...	Version
Order No.	<a href="#">2737520000</a>	Photovoltaics, Combiner Box, PV Next, 1000 V, 1 MPP, 6 Inputs /
GTIN (EAN)	4050118004595	6 Outputs per MPP, With fuse holder, Surge protection I / II, Cable
Qty.	1 ST	gland
Type	PVN DC 6IF 7O 1MPP SPD1...	Version
Order No.	<a href="#">2737440000</a>	Photovoltaics, Combiner Box, PV Next, 1000 V, 1 MPP, 6 Inputs / 6
GTIN (EAN)	4032248395545	Outputs per MPP, With fuse holder, Surge protection I / II, WM4C
Qty.	1 ST	
Type	PVN DC 3IF 3O 2MPP SW S...	Version
Order No.	<a href="#">2683060000</a>	Photovoltaics, Combiner Box, PV Next, 1000 V, 2 MPP's, 3 Inputs /
GTIN (EAN)	4050118699883	3 Outputs per MPP, With fuse holder, Surge protection I / II, Switch
Qty.	1 ST	disconnecter, Cable gland
Type	PVN DC 3IF 3O 2MPP SW S...	Version
Order No.	<a href="#">2683100000</a>	Photovoltaics, Combiner Box, PV Next, 1000 V, 2 MPP's, 3 Inputs /
GTIN (EAN)	4050118699951	3 Outputs per MPP, With fuse holder, Surge protection I / II, Switch
Qty.	1 ST	disconnecter, WM4C
Type	PVN1M2I6S0F3V200TXPX10	Version
Order No.	<a href="#">2683260000</a>	Photovoltaics, Combiner Box, PV Next, 1000 V, 2 MPP's, 3 Inputs /
GTIN (EAN)	4050118699968	3 Outputs per MPP, With fuse holder, Surge protection II, Switch
Qty.	1 ST	disconnecter, Cable gland
Type	PVN1M2I6S0F3V201TXPX10	Version
Order No.	<a href="#">2683300000</a>	Photovoltaics, Combiner Box, PV Next, 1000 V, 2 MPP's, 3 Inputs /
GTIN (EAN)	4050118699999	3 Outputs per MPP, With fuse holder, Surge protection II, Switch
Qty.	1 ST	disconnecter, WM4C
Type	PVN DC 3IF 3O 2MPP SPD1...	Version
Order No.	<a href="#">2683040000</a>	Photovoltaics, Combiner Box, PV Next, 1000 V, 2 MPP's, 3 Inputs /
GTIN (EAN)	4050118699715	3 Outputs per MPP, With fuse holder, Surge protection I / II, Cable
Qty.	1 ST	gland
Type	PVN DC 3IF 3O 2MPP SPD1...	Version
Order No.	<a href="#">2683080000</a>	Photovoltaics, Combiner Box, PV Next, 1000 V, 2 MPP's, 3 Inputs / 3
GTIN (EAN)	4050118699913	Outputs per MPP, With fuse holder, Surge protection I / II, WM4C
Qty.	1 ST	
Type	PVN1M2I6SXF3V200TXPX10	Version
Order No.	<a href="#">2683240000</a>	Photovoltaics, Combiner Box, PV Next, 1000 V, 2 MPP's, 3 Inputs / 3
GTIN (EAN)	4050118700091	Outputs per MPP, With fuse holder, Surge protection II, Cable gland
Qty.	1 ST	

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Type	PVN1M2I6SXF3V2O1TXPX10	Version
Order No.	<a href="#">2683280000</a>	Photovoltaics, Combiner Box, 1000 V, 2 MPP's, 3 Inputs / 3 Outputs
GTIN (EAN)	4050118700169	per MPP, With fuse holder, Surge protection II, WM4C
Qty.	1 ST	