Data sheet

FUSE 10X38 6A 1000 VDC GPV

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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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, 6 A
Order No.	2783210000
Type	FUSE 10X38 6A 1000 VDC GPV
GTIN (EAN)	4064675059936
Qty.	10 items

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Technical data

Approvals

Approvals	CE
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	7.8 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	6 A
Rated DC voltage	1000 V	Rated breaking capacity	30 kA
Material of contacts	silver-plated	Power dissapation, max.	1.84 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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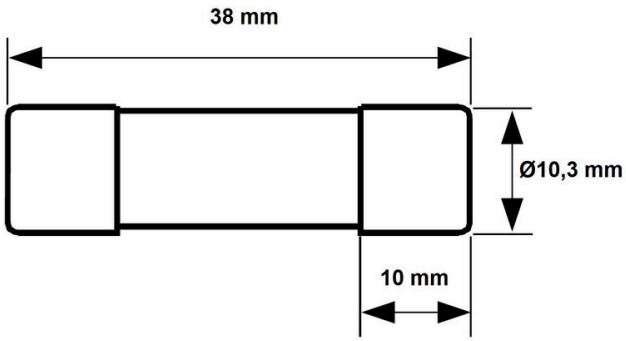
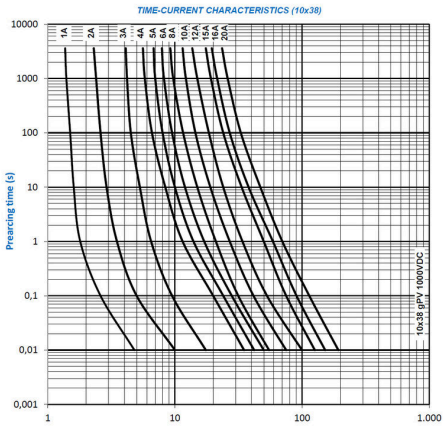
Drawings



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.	2683050000	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	disconnector, Cable gland
Type	PVN DC 3IF 3O 1MPP SW S...	Version
Order No.	2683090000	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	disconnector, WM4C
Type	PVN1M1I3S0F3V2O0TXPX10	Version
Order No.	2683250000	Photovoltaics, Combiner Box, 1000 V, 1 MPP, 3 Inputs / 3 Outputs
GTIN (EAN)	4050118700183	per MPP, With fuse holder, Surge protection II, Switch disconnector,
Qty.	1 ST	Cable gland
Type	PVN1M1I3S0F3V2O1TXPX10	Version
Order No.	2683290000	Photovoltaics, Combiner Box, 1000 V, 1 MPP, 3 Inputs / 3 Outputs
GTIN (EAN)	4050118699982	per MPP, With fuse holder, Surge protection II, Switch disconnector,
Qty.	1 ST	WM4C
Type	PVN DC 3IF 3O 1MPP SPD1...	Version
Order No.	2683030000	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.	2683070000	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.	2683230000	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.	2683270000	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.	2737550000	Photovoltaics, Combiner Box, 1000 V, 1 MPP, 6 Inputs / 6 Outputs
GTIN (EAN)	4050118824858	per MPP, With fuse holder, Surge protection II, Switch disconnector,
Qty.	1 ST	Cable gland
Type	PVN1M1I6S0F3V0O1TXPX10	Version
Order No.	2737500000	Photovoltaics, Combiner Box, 1000 V, 1 MPP, 6 Inputs / 6 Outputs
GTIN (EAN)	4050118824834	per MPP, With fuse holder, Surge protection II, Switch disconnector,
Qty.	1 ST	WM4C

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Type	PVN DC 6IF 7O 1MPP SW S...	Version
Order No.	2737530000	Photovoltaics, Combiner Box, PV Next, 1000 V, 1 MPP, 6 Inputs / 6 Outputs per MPP, With fuse holder, Surge protection I / II, Switch disconnector, Cable gland
GTIN (EAN)	4032248395552	
Qty.	1 ST	
Type	PVN DC 6IF 7O 1MPP SW S...	Version
Order No.	2737480000	Photovoltaics, Combiner Box, PV Next, 1000 V, 1 MPP, 6 Inputs / 6 Outputs per MPP, With fuse holder, Surge protection I / II, Switch disconnector, WM4C
GTIN (EAN)	4032248395538	
Qty.	1 ST	
Type	PVN1M1I6SXF3V0O0TXPX10	Version
Order No.	2737540000	Photovoltaics, Combiner Box, 1000 V, 1 MPP, 6 Inputs / 6 Outputs per MPP, With fuse holder, Surge protection II, Cable gland
GTIN (EAN)	4050118824841	
Qty.	1 ST	
Type	PVN1M1I6SXF3V0O1TXPX10	Version
Order No.	2737490000	Photovoltaics, Combiner Box, 1000 V, 1 MPP, 6 Inputs / 6 Outputs per MPP, With fuse holder, Surge protection II, WM4C
GTIN (EAN)	4050118824827	
Qty.	1 ST	
Type	PVN DC 6IF 7O 1MPP SPD1...	Version
Order No.	2737520000	Photovoltaics, Combiner Box, PV Next, 1000 V, 1 MPP, 6 Inputs / 6 Outputs per MPP, With fuse holder, Surge protection I / II, Cable gland
GTIN (EAN)	4050118004595	
Qty.	1 ST	
Type	PVN DC 6IF 7O 1MPP SPD1...	Version
Order No.	2737440000	Photovoltaics, Combiner Box, PV Next, 1000 V, 1 MPP, 6 Inputs / 6 Outputs per MPP, With fuse holder, Surge protection I / II, WM4C
GTIN (EAN)	4032248395545	
Qty.	1 ST	
Type	PVN DC 3IF 3O 2MPP SW S...	Version
Order No.	2683060000	Photovoltaics, Combiner Box, PV Next, 1000 V, 2 MPP's, 3 Inputs / 3 Outputs per MPP, With fuse holder, Surge protection I / II, Switch disconnector, Cable gland
GTIN (EAN)	4050118699883	
Qty.	1 ST	
Type	PVN DC 3IF 3O 2MPP SW S...	Version
Order No.	2683100000	Photovoltaics, Combiner Box, PV Next, 1000 V, 2 MPP's, 3 Inputs / 3 Outputs per MPP, With fuse holder, Surge protection I / II, Switch disconnector, WM4C
GTIN (EAN)	4050118699951	
Qty.	1 ST	
Type	PVN1M2I6S0F3V2O0TXPX10	Version
Order No.	2683260000	Photovoltaics, Combiner Box, PV Next, 1000 V, 2 MPP's, 3 Inputs / 3 Outputs per MPP, With fuse holder, Surge protection II, Switch disconnector, Cable gland
GTIN (EAN)	4050118699968	
Qty.	1 ST	
Type	PVN1M2I6S0F3V2O1TXPX10	Version
Order No.	2683300000	Photovoltaics, Combiner Box, PV Next, 1000 V, 2 MPP's, 3 Inputs / 3 Outputs per MPP, With fuse holder, Surge protection II, Switch disconnector, WM4C
GTIN (EAN)	4050118699999	
Qty.	1 ST	
Type	PVN DC 3IF 3O 2MPP SPD1...	Version
Order No.	2683040000	Photovoltaics, Combiner Box, PV Next, 1000 V, 2 MPP's, 3 Inputs / 3 Outputs per MPP, With fuse holder, Surge protection I / II, Cable gland
GTIN (EAN)	4050118699715	
Qty.	1 ST	
Type	PVN DC 3IF 3O 2MPP SPD1...	Version
Order No.	2683080000	Photovoltaics, Combiner Box, PV Next, 1000 V, 2 MPP's, 3 Inputs / 3 Outputs per MPP, With fuse holder, Surge protection I / II, WM4C
GTIN (EAN)	4050118699913	
Qty.	1 ST	
Type	PVN1M2I6SXF3V2O0TXPX10	Version
Order No.	2683240000	Photovoltaics, Combiner Box, PV Next, 1000 V, 2 MPP's, 3 Inputs / 3 Outputs per MPP, With fuse holder, Surge protection II, Cable gland
GTIN (EAN)	4050118700091	
Qty.	1 ST	

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Type	PVN1M2I6SXF3V2O1TXPX10	Version
Order No.	2683280000	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	