

FUSE 10X38 5A 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, 5 A |
| Order No. | 2783200000 |
| Type | FUSE 10X38 5A 1000 VDC GPV |
| GTIN (EAN) | 4064675059929 |
| Qty. | 10 pc(s). |

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| | | | |
|----------|---------|-----------------|------------|
| Depth | 10 mm | Depth (inches) | 0.394 inch |
| Height | 38 mm | Height (inches) | 1.496 inch |
| Width | 10 mm | Width (inches) | 0.394 inch |
| Diameter | 10.3 mm | Net weight | 1 g |

Temperatures

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

Fuse cartridge

| | | | |
|--------------------|--|-------------------------|--------|
| Fuse-link standard | IEC 60269-1, IEC 60269-6, gPV (EN 60269-6) | Current | 5 A |
| Rated DC voltage | 1,000 V | Rated breaking capacity | 30 kA |
| Contact material | silver-plated | Power dissipation, max. | 1.65 W |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 7.0 | EC002704 | ETIM 8.0 | EC002704 |
| ETIM 9.0 | EC002704 | ECLASS 11.0 | 27-14-20-02 |
| ECLASS 12.0 | 27-14-20-02 | ECLASS 13.0 | 27-14-20-02 |
| ECLASS 14.0 | 27-14-20-02 | | |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| REACH SVHC | / |
| RoHS Compliance Status | Compliant without exemption |

Approvals

| | |
|------|---------|
| ROHS | Conform |
|------|---------|

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | CE-Declaration_10x38_gPV_Fuses |
| Catalogues | Catalogues in PDF-format |

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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 30 1MPP SW S ... | Version |
| Order No. | 2683090000 | Photovoltaics, Combiner Box, 1000 V, 1 MPP, 3 Inputs / 3 |
| GTIN (EAN) | 4050118699906 | Outputs per MPP, With fuse holder, Surge protection I / II, Switch |
| Qty. | 1 pc(s). | disconnecter, WM4C |
| Type | PVN1M1I6SXF3V001TXPX10 | Version |
| Order No. | 2737490000 | 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 pc(s). | |
| Type | PVN1M1I6SXF3V100TXPX10 | Version |
| Order No. | 2737520000 | Photovoltaics, Combiner Box, 1000 V, 1 MPP, 6 Inputs / 6 Outputs |
| GTIN (EAN) | 4050118004595 | per MPP, With fuse holder, Surge protection I / II, Cable gland |
| Qty. | 1 pc(s). | |
| Type | PVN1M1I6S0F3V101TXPX10 | Version |
| Order No. | 2737480000 | Photovoltaics, Combiner Box, 1000 V, 1 MPP, 6 Inputs / 6 |
| GTIN (EAN) | 4032248395538 | Outputs per MPP, With fuse holder, Surge protection I / II, Switch |
| Qty. | 1 pc(s). | disconnecter, WM4C |
| Type | PVN1M1I6S0F3V100TXPX10 | Version |
| Order No. | 2737530000 | Photovoltaics, Combiner Box, 1000 V, 1 MPP, 6 Inputs / 6 |
| GTIN (EAN) | 4032248395552 | Outputs per MPP, With fuse holder, Surge protection I / II, Switch |
| Qty. | 1 pc(s). | disconnecter, Cable gland |
| Type | PVN1M1I3S0F3V200TXPX10 | 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 disconnecter, |
| Qty. | 1 pc(s). | Cable gland |
| Type | PVN DC 3IF 30 2MPP SW S ... | Version |
| Order No. | 2683100000 | Photovoltaics, Combiner Box, 1000 V, 2 MPP's, 3 Inputs / 3 |
| GTIN (EAN) | 4050118699951 | Outputs per MPP, With fuse holder, Surge protection I / II, Switch |
| Qty. | 1 pc(s). | disconnecter, WM4C |
| Type | PVN DC 3IF 30 1MPP SW S ... | Version |
| Order No. | 2683050000 | Photovoltaics, Combiner Box, 1000 V, 1 MPP, 3 Inputs / 3 |
| GTIN (EAN) | 4050118699869 | Outputs per MPP, With fuse holder, Surge protection I / II, Switch |
| Qty. | 1 pc(s). | disconnecter, Cable gland |
| Type | PVN DC 3IF 30 2MPP SPD 1 ... | Version |
| Order No. | 2683040000 | Photovoltaics, Combiner Box, 1000 V, 2 MPP's, 3 Inputs / 3 Outputs |
| GTIN (EAN) | 4050118699715 | per MPP, With fuse holder, Surge protection I / II, Cable gland |
| Qty. | 1 pc(s). | |
| Type | PVN1M1I3SXF3V201TXPX10 | 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 pc(s). | |

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Accessories

| | | |
|------------|-----------------------------|--|
| Type | PVN1M1I3SOF3V2O1TXPX10 | 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 disconnecter, |
| Qty. | 1 pc(s). | WM4C |
| 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 pc(s). | |
| Type | PVN1M2I6SXF3V2O0TXPX10 | Version |
| Order No. | 2683240000 | Photovoltaics, Combiner Box, 1000 V, 2 MPP's, 3 Inputs / 3 Outputs |
| GTIN (EAN) | 4050118700091 | per MPP, With fuse holder, Surge protection II, Cable gland |
| Qty. | 1 pc(s). | |
| Type | PVN1M1I6SOF3V0O0TXPX10 | 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 disconnecter, |
| Qty. | 1 pc(s). | Cable gland |
| Type | PVN1M1I6SXF3V1O1TXPX10 | Version |
| Order No. | 2737440000 | Photovoltaics, Combiner Box, 1000 V, 1 MPP, 6 Inputs / 6 Outputs |
| GTIN (EAN) | 4032248395545 | per MPP, With fuse holder, Surge protection I / II, WM4C |
| Qty. | 1 pc(s). | |
| Type | PVN1M1I6SXF3V0O0TXPX10 | Version |
| Order No. | 2737540000 | 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 pc(s). | |
| Type | PVN1M2I6SOF3V2O0TXPX10 | Version |
| Order No. | 2683260000 | Photovoltaics, Combiner Box, 1000 V, 2 MPP's, 3 Inputs / 3 Outputs |
| GTIN (EAN) | 4050118699968 | per MPP, With fuse holder, Surge protection II, Switch disconnecter, |
| Qty. | 1 pc(s). | Cable gland |
| Type | PVN1M2I6SOF3V2O1TXPX10 | Version |
| Order No. | 2683300000 | Photovoltaics, Combiner Box, 1000 V, 2 MPP's, 3 Inputs / 3 Outputs |
| GTIN (EAN) | 4050118699999 | per MPP, With fuse holder, Surge protection II, Switch disconnecter, |
| Qty. | 1 pc(s). | WM4C |
| Type | PVN DC 3IF 3O 2MPP SPD1 ... | Version |
| Order No. | 2683080000 | Photovoltaics, Combiner Box, 1000 V, 2 MPP's, 3 Inputs / 3 Outputs |
| GTIN (EAN) | 4050118699913 | per MPP, With fuse holder, Surge protection I / II, WM4C |
| Qty. | 1 pc(s). | |
| Type | PVN DC 3IF 3O 1MPP SPD1 ... | Version |
| Order No. | 2683030000 | Photovoltaics, Combiner Box, 1000 V, 1 MPP, 3 Inputs / 3 Outputs |
| GTIN (EAN) | 4050118699852 | per MPP, With fuse holder, Surge protection I / II, Cable gland |
| Qty. | 1 pc(s). | |
| Type | PVN DC 3IF 3O 1MPP SPD1 ... | Version |
| Order No. | 2683070000 | Photovoltaics, Combiner Box, 1000 V, 1 MPP, 3 Inputs / 3 Outputs |
| GTIN (EAN) | 4050118700053 | per MPP, With fuse holder, Surge protection I / II, WM4C |
| Qty. | 1 pc(s). | |
| 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 pc(s). | |
| Type | PVN DC 3IF 3O 2MPP SW S ... | Version |
| Order No. | 2683060000 | Photovoltaics, Combiner Box, 1000 V, 2 MPP's, 3 Inputs / 3 |
| GTIN (EAN) | 4050118699883 | Outputs per MPP, With fuse holder, Surge protection I / II, Switch |
| Qty. | 1 pc(s). | disconnecter, Cable gland |

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| Type | PVN1M1I6S0F3V001TXPX10 | 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 disconnecter, |
| Qty. | 1 pc(s). | WM4C |