

Photovoltaic Solutions

Protecting PV installations against overvoltage and automatic switch off in case of a fire PV Next Fireman Switch for safe remote shutdown

Building insurers and local fire brigades are increasingly demanding that rooftop photovoltaic systems switch off automatically in the event of a fire. This switch-off device must be placed when the string cables enter the building. Automatic switch-off occurs when the fire brigade switches off the building's power supply. This allows the fire brigade to carry out extinguishing work in an emergency without being unnecessarily endangered. When the power supply is restored, the PV Next Fireman Switch automatically reconnects the PV strings.

In contrast to other solutions, electricity is only consumed during the switching process. Whether for small or large systems, with 1 to 12 MPP – we offer the right solution for every inverter.

Your benefits:

- Automated switch off and switch on
- Efficient combination of strings with cable savings of up to 50 %
- Simple and space-saving installation
- Also available with integrated surge protection
- Automatic shutdown at temperatures above 100 °C



Find your suitable Combiner Box with Fireman Switch now

With the help of our PV selection guide, you can easily find the right combiner box with fireman switch for every inverter!

[www.weidmueller.com/
pvselector](http://www.weidmueller.com/pvselector)



PV Next Fireman Switch

1100V DC
230V AC

Type	MPPT	Inputs per MPPT	Outputs per MPPT	Current per box	Connection	Order No.
PVN DC 2I 10 1MPP RD CG 11	1 MPPT	2 inputs	1 output	50A	Cable gland, PUSH IN connection	2778850000
PVN DC 2I 10 1MPP RD WM4 11	1 MPPT	2 inputs	1 output	35A	Connector, WM4C	2778860000
PVN DC 2I 10 1MPP RD EVO 11	1 MPPT	2 inputs	1 output	35A	Connector, MC4-Evo 2	2888520000
PVN DC 2I 10 2MPP RD CG 11	2 MPPT	2 inputs	1 output	2x 50A	Cable gland, PUSH IN connection	2778870000
PVN DC 2I 10 2MPP RD WM4 11	2 MPPT	2 inputs	1 output	2x 35A	Connector, WM4C	2778880000
PVN DC 2I 10 2MPP RD EVO 11	2 MPPT	2 inputs	1 output	2x 44A	Connector, MC4-Evo 2	2888530000
PVC DC 2I 10 4MPP RD WM4 11	4 MPPT	2 inputs	1 output	4x 35A	Connector, WM4C	8000115472
PVC DC 2I 10 4MPP RD EVO 11	4 MPPT	2 inputs	1 output	4x 44A	Connector, MC4-Evo 2	8000111429
PVC DC 2I 10 6MPP RD WM4 11	6 MPPT	2 inputs	1 output	6x 35A	Connector, WM4C	8000115473
PVC DC 2I 10 6MPP RD EVO 11	6 MPPT	2 inputs	1 output	6x 41A	Connector, MC4-Evo 2	8000111430
PVC DC 2I 10 10MPP RD EVO 11	10 MPPT	2 inputs	1 output	10x 41A	Connector, MC4-Evo 2	8000130051
PVC DC 2I 20 10MPP RD WM4 11	10 MPPT	2 inputs	1 output	10x 41A	Connector, WM4C	8000130052
PVC DC 2I 20 12MPP RD EVO 11	12 MPPT	2 inputs	1 output	12x 41A	Connector, MC4-Evo 2	8000130054
PVC DC 2I 20 12MPP RD WM4 11	12 MPPT	2 inputs	1 output	12x 41A	Connector, WM4C	8000130055



PV Next Fireman Switch with surge protection

Type	MPPT	Inputs per MPPT	Outputs per MPPT	Surge protection requirement class	Connection	Order No.
PVC DC 2I 10 2MPP RD SPD1R EVO 11	2 MPPT	2 inputs	1 output	Type: I / II	Connector, MC4-Evo 2	8000098970
PVC DC 2I 10 2MPP RD SPD1R WM4 11	2 MPPT	2 inputs	1 output	Type: I / II	Connector, WM4C	8000114374
PVC DC 2I 10 4MPP RD SPD1R EVO 11	4 MPPT	2 inputs	1 output	Type: I / II	Connector, MC4-Evo 2	8000110665
PVC DC 2I 10 4MPP RD SPD1R WM4 11	4 MPPT	2 inputs	1 output	Type: I / II	Connector, WM4C	8000115470
PVC DC 2I 10 6MPP RD SPD1R EVO 11	6 MPPT	2 inputs	1 output	Type: I / II	Connector, MC4-Evo 2	8000111274
PVC DC 2I 10 6MPP RD SPD1R WM4 11	6 MPPT	2 inputs	1 output	Type: I / II	Connector, WM4C	8000115471
PVC DC 2I 20 10MPP RD SPD1R EVO 11	10 MPPT	2 inputs	2 outputs	Type: I / II	Connector, MC4-Evo 2	8000130058
PVC DC 2I 20 10MPP RD SPD1R WM4 11	10 MPPT	2 inputs	2 outputs	Type: I / II	Connector, WM4C	8000130053
PVC DC 2I 20 12MPP RD SPD1R EVO 11	12 MPPT	2 inputs	2 outputs	Type: I / II	Connector, MC4-Evo 2	8000130056
PVC DC 2I 20 12MPP RD SPD1R WM4 11	12 MPPT	2 inputs	2 outputs	Type: I / II	Connector, WM4C	8000130057



Photovoltaik Not-Aus-Taster

Type	Voltage (AC)	Number of contacts as openers	Number of contacts as normally open contacts	Order No.
AC SB E 5A 1POL PO 06KV	0 bis 500 V AC	1	1	3077660000



2 PV Next Fireman Switch switches off the current flow automatically

1 Fire brigade disconnects AC power supply

Go to the product catalogue here.

