

Field Wiring Solutions

Photovoltaic connectors

From the WM4 C with a classic crimp connection to the innovative PV Stick with SNAP IN technology.



01 Field Wiring Solutions

PV connectors

Our connectors help you to get your project up and running even faster and easier.

Of course, all Weidmüller PV connectors are compatible with each other.

Reliable and high-quality connectors with SNAP IN and crimp connection for up to 1,500 V DC enable trouble-free operation of photovoltaic systems.

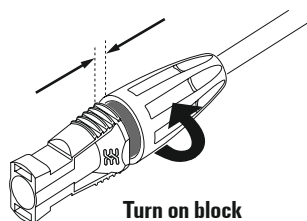




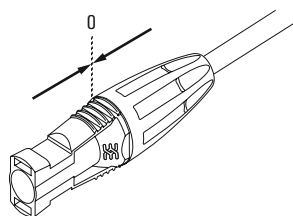
Protection types:
Plugged in:
 IP 65, 67, 68
Open: IP 2X

PV Stick with SNAP IN connection

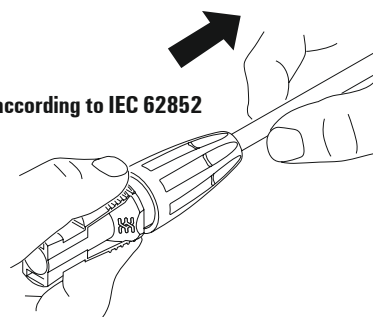
No crimping tools, no loss of time, no effort – the unique PV Stick uses the proven SNAP IN technology. The fastest, easiest and safest way to wire photovoltaic systems – literally in no time.



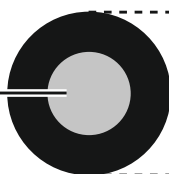
Turn on block



80 N according to IEC 62852



4.0 ... 6.0 mm²



Ø 5,4 mm ... 7,6 mm (PV cable according to IEC 62930:2017)



WM4 C connector:

Type	Voltage	Current	Diameter	Cross section	Protection class	Order No.
SFGH BOX WM4 C BT	1500 V DC	35 A	5.5-7 mm	4-6 mm ²	IP 65, 67, 2x open	1530640000
BUGH BOX WM4 C BT	1500 V DC	35 A	5.5-7 mm	4-6 mm ²	IP 65, 67, 2x open	1530630000
BUGH WM4 C BT	1500 V DC	35 A	5.5-7mm	4-6mm ²	IP 65, 67, 2x open	1530690000
SFGH WM4 C BT	1500 V DC	35 A	5.5-7mm	4-6mm ²	IP 65, 67, 2x open	1530700000
WM4 C I SET	1500 V DC	35 A	5.5-7mm	4-6mm ²	IP 65, 67, 2x open	1344960000



PV Stick:

Type	Voltage	Current	Diameter	Cross section	Protection class	Order No.
PV-STICK+ VPE10	1500 V DC	30 A	5.4-7,6 mm	4-6mm ²	IP 65, 67, 68, 2x open	1303450000
PV-STICK+ VPE50	1500 V DC	30 A	5.4-7,6 mm	4-6mm ²	IP 65, 67, 68, 2x open	1303460000
PV-STICK+ VPE200	1500 V DC	30 A	5.4-7,6 mm	4-6mm ²	IP 65, 67, 68, 2x open	1303470000
PV-STICK- VPE10	1500 V DC	30 A	5.4-7,6 mm	4-6mm ²	IP 65, 67, 68, 2x open	1303490000
PV-STICK- VPE50	1500 V DC	30 A	5.4-7,6 mm	4-6mm ²	IP 65, 67, 68, 2x open	1303500000
PV-STICK- VPE200	1500 V DC	30 A	5.4-7,6 mm	4-6mm ²	IP 65, 67, 68, 2x open	1303510000
PV-STICK SET	1500 V DC	30 A	5.4-7,6 mm	4-6mm ²	IP 65, 67, 68, 2x open	1422030000



Accessories:

Type	Version	PU	Diameter	Order No.
VSSD WM4 C	Dust protection cap	100 pcs.	-	1254870000
BUKO WM4 C BT	Socket contact	100 pcs.	-	1530670000
SFKO WM4 C BT	Pin contact	100 pcs.	-	1530680000

02

Field Wiring Solutions

PV X and Y cable assembly

The X or Y cable is used to connect three or four elements of a PV system, for example the connection between PV panels, converters and Surge protection boxes. The cables are available in different connection variants.





PV cable assembly

Type	Voltage	Cable end version	Type of plug contact	Connector version	Cable length	Order No.
PVHXM+M+W-XX06M-15	1000 V DC	4x connectors	2x pin, 2x socket	3x MC4, 1x WM4C	3x 200 mm, 1x 160 mm	2814270000
PVHXM-M-W+XX06M+15	1000 V DC	4x connectors	2x pin, 2x socket	3x MC4, 1x WM4C	3x 200 mm, 1x 160 mm	2814260000
PVHXW-W-W+XX06W+15	1500 V DC	4x connectors	2x pin, 2x socket	4x WM4C	3x 200 mm, 1x 160 mm	2814240000
PVHXW+W+PXX06M-15	1000 V DC	3x connectors, 1x stripped	1x pin, 2x socket	1x MC4, 2x WM4C	3x 200 mm, 1x 160 mm	2814290000
PVHXW-W-PXX06W+15	1500 V DC	3x connectors, 1x stripped	2x pin, 2x socket	3x WM4C	3x 200mm, 1x 160mm	2814280000
PVHXW+W+W-XX06W-15	1500 V DC	4x connectors	2x pin, 2x socket	4x WM4C	3x 200mm, 1x 160mm	2814250000
PVHYM+XXW-XX06M-15	1000 V DC	3x connectors	2x pin, 2x socket	2x MC4, 1x WM4C	2x 200mm, 1x 160mm	2814210000
PVHYM-XXW+XX06M+15	1000 V DC	3x connectors	1x pin, 2x socket	2x MC4, 1x WM4C	2x 200mm, 1x 160mm	2814200000
PVHYW+XXW-XX06W-15	1500 V DC	3x connectors	2x pin, 2x socket	3x WM4C	2x 200mm, 1x 160mm	2814190000
PVHYW-XXW+XX06W+15	1500 V DC	3x connectors	1x pin, 2x socket	3x WM4C	2x 200mm, 1x 160mm	2814180000
PVHYW-XXPXX06W+15	1500 V DC	2x connectors, 1x stripped	1x pin, 2x socket	2x WM4C	2x 200mm, 1x 160mm	2814220000
PVHYM-M-XXX6W+15	1000 V DC	3x connectors	2x pin, 2x socket	2x MC4, 1x WM4C	2x 200mm, 1x 160mm	2877850000
PVHYM+M+XXX6W-15	1000 V DC	3x connectors	1x pin, 2x socket	2x MC4, 1x WM4C	2x 200mm, 1x 160mm	2877860000

03

Field Wiring Solutions

Weidmüller Battery Connector (WBC)

Whether in smaller storage systems for home use or in large battery containers – the Weidmüller Battery connector covers with its variants from 100 A up to 350 A a wide range of applications.

Conductor cross-sections from 16 mm² to 95 mm² can be connected on the connector side. On the counterpart there is a busbar to which the conductor can be easily connected on the device side using a cable lug.





Minus device side



Plus device side



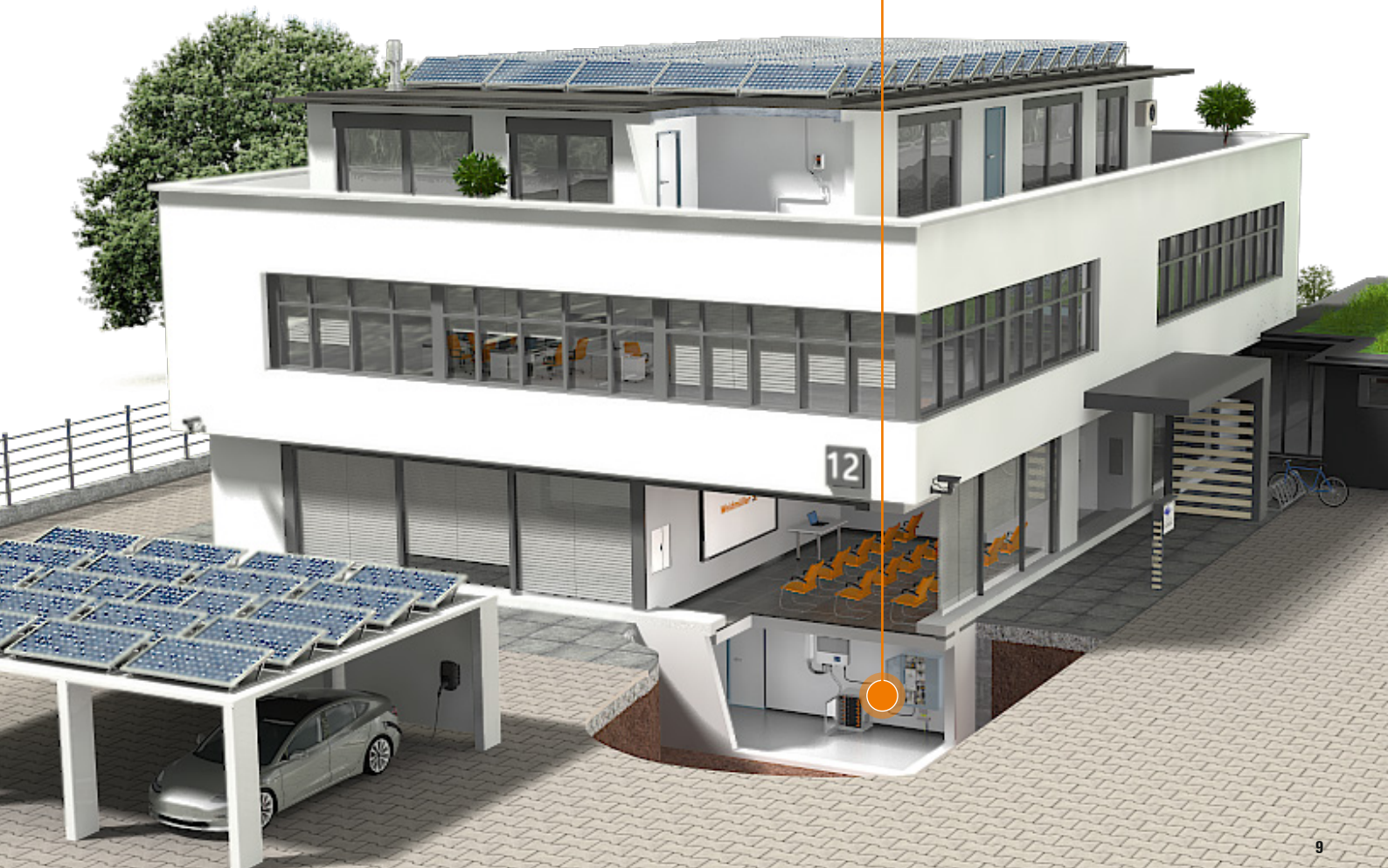
Type	Version	Connection type	Cross-section	Voltage	Rated current	Protection class	Order No.
WBC-P-6BK-16	- Plug	Crimp connection	16mm ²	1500 V DC	100 A	IP 67	2905270000
WBC-P-6BK-25	- Plug	Crimp connection	25mm ²	1500 V DC	120 A	IP 67	2905290000
WBC-S-6BK-B	- Device page	Screw connection	-	1500 V DC	120 A	IP 67	2905330000
WBC-P-6OR-16	+ Plug	Crimp connection	16mm ²	1500 V DC	100 A	IP 67	2905280000
WBC-P-6OR-25	+ Plug	Crimp connection	25mm ²	1500 V DC	120 A	IP 67	2905300000
WBC-S-6OR-B	+ Device page	Screw connection	-	1500 V DC	120 A	IP 67	2905340000
WBC-S-8BK-35	- Plug	Crimp connection	35mm ²	1500 V DC	150 A	IP 67	2905350000
WBC-P-8BK-50	- Plug	Crimp connection	50mm ²	1500 V DC	200 A	IP 67	2905370000
WBC-S-8BK-B	- Device page	Screw connection	-	1500 V DC	200 A	IP 67	2905310000
WBC-P-8OR-35	+ Plug	Crimp connection	35mm ²	1500 V DC	150 A	IP 67	2905360000
WBC-P-8OR-50	+ Plug	Crimp connection	50mm ²	1500 V DC	200 A	IP 67	2905380000
WBC-S-8OR-B	+ Device page	Screw connection	-	1500 V DC	200 A	IP 67	2905320000
WBC-P-8BK-70	- Plug	Crimp connection	70mm ²	1500 V DC	250 A	IP 67	2995040000
WBC-S-8BK-M6	- Device page	Screw connection	-	1500 V DC	250 A	IP 67	2918840000
WBC-P-8OR-70	+ Plug	Crimp connection	70mm ²	1500 V DC	250 A	IP 67	2995050000
WBC-S-8OR-M6	+ Device page	Screw connection	-	1500 V DC	250 A	IP 67	2918860000
WBC-P-10BK-70	- Plug	Crimp connection	70mm ²	1500 V DC	250 A	IP 67	2991900000
WBC-P-10BK-95	- Plug	Crimp connection	95mm ²	1500 V DC	350 A	IP 67	2991940000
WBC-S-10BK-M8	- Device page	Screw connection	-	1500 V DC	350 A	IP 67	2991920000
WBC-P-10RE-70	+ Plug	Crimp connection	70mm ²	1500 V DC	250 A	IP 67	2991910000
WBC-P-10RE-95	+ Plug	Crimp connection	95mm ²	1500 V DC	350 A	IP 67	2991950000
WBC-S-10RE-M8	+ Device page	Screw connection	-	1500 V DC	350 A	IP 67	2991930000

04

Field Wiring Solutions PV AC output connectors

With our new AC connectors, PV inverters can be connected safely and reliably to the AC grid.

The three-phase connector solution with PUSH IN connection technology has been optimized for cable cross-sections of up to 16 mm², which significantly reduces energy losses. Thanks to the robust construction and the choice of UV-resistant materials, the connector can also be used under adverse environmental conditions such as vibrations and strong sunlight.



PV AC output connectors and accessories



Field plug 5 pin

Type	Connection type	Cross section	Voltage	Electricity	Cable diameter	Order No.
PV PS VAPM 5P F	Screw connection	0.2-16mm²	600 V	60 A	11-26mm	2920110000



Box coupling

Type	Connection type	Cross section	Voltage	Electricity	Protection class	Order No.
PV BSS VAPM 5P M	PUSH IN	0.5-10mm²	600 V	60 A	IP 66	2920100000



Locking

Type	PU	Order No.
PV PS ULTA	1	2920130000



Cover

Type	Protection class	Order No.
PV PS ULTA	IP 65	2920120000

Tools and accessories



Crimping tool

Type	Function	Crimping area min.	Crimping area max.	Contact type	Order No.
CTF PV WM4	Crimping	2.5 mm ²	6 mm ²	F plug/sleeve	1222870000



Multi-Stripax PV

Type	Function	Conductor cross section min.	Conductor cross section max.	Stripping length min.	Order No.
Multi-Stripax PV	Stripping	4 mm ²	10 mm ²	250 mm	1190490000



Multi-tool

Type	PU	Best.-Nr.
Multitool PV Set	1	2771530000



Cutting tool

Type	Protection class	Order No.
KT 8	Up to 8 mm	9002650000



You can also find all products in the product catalog on our homepage:
www.weidmueller.com

Weidmüller – Your partner in Smart Industrial Connectivity

As experienced experts we support our customers and partners around the world with products, solutions and services in the industrial environment of power, signal and data. We are at home in their industries and markets and know the technological challenges of tomorrow. We are therefore continuously developing innovative, sustainable and useful solutions for their individual needs. Together we set standards in Smart Industrial Connectivity.

We cannot guarantee that there are no mistakes in the publications or software provided by us to the customer for the purpose of making orders. We try our best to quickly correct errors in our printed media.

All orders are based on our general terms of delivery, which can be reviewed on the websites of our group companies where you place your order. On demand we can also send the general terms of delivery to you.

Made in Germany

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
32758 Detmold, Germany
T +49 5231 14-0
F +49 5231 14-292083
www.weidmueller.com

Personal support can
be found on our website:
www.weidmueller.com/contact

11/2024/SMM