

You want to install PV systems safely
We provide high-quality connectors
Let's connect.

Photovoltaics



Weidmüller 

Quality begins with small details

Our connectors are well worth the investment

A photovoltaic system is only as good as its smallest components. Starting with its connectors. After all, they do have to withstand a great deal: wind, sun and extreme temperature fluctuations. All of this for up to 25 years. In addition to meeting the highest standards, a connector should also be easy to handle. Just like the connectors in the Weidmüller product range!



Reducing costs over the long term

When you buy cheaply, you are often faced with greater costs over the long term. By making the right investments, you can ensure reliable operation and durability. With solar plants that have to withstand high loads, the reliability of even the smallest components is especially critical. The wearing of contacts quickly leads to malfunctions, production downtimes and, ultimately, considerable additional costs. Minimise the risk and put your faith in an experienced partner and proven quality for even the smallest components.



Working with absolute security

With over 60 years of scientific know-how, our certified laboratory guarantees connection systems of the highest quality. We carry out regular quality checks, load capacity tests and ageing tests are standard practice for us. Consequently, our connectors are certified by TÜV and meet the requirements of DIN EN 50521. We provide totally compatible, totally reliable components and tools that allow you to install your system safely.



Rapid, easy installation

Regardless of whether you are using a conventional crimp connection or the innovative PV-Stick with PUSH IN technology, our connectors are extremely easy to handle and can be installed quickly.

- Wiring without laborious crimping thanks to PV connectors combined with PUSH IN technology for the first time
- Quality tools and accessories allow you to work safely and rapidly
- Ergonomic design makes the connectors easy to use and handle, even for long periods





Crimp-free wiring

Connections made easy with the PV-Stick

Plug in, twist, power: the easiest way to wire up solar panels

Faster is better. Thanks to the unique PUSH IN technology, our easy-to-handle PV-Stick with its "Type 4" connector face can be installed extremely quickly and easily without the need for a crimping tool. The PV-Stick avoids potential assembly errors by being free of crimp contacts and the need for crimping tools. This cuts installation time by at least 50% – without any loss of quality.

Crimp-free connection

A click tells you the connection has been made. This audible feedback indicates a secure connection.



Standards-conformant quality

The PV-Stick is manufactured with proven Weidmüller quality, certified by TÜV and complies with DIN EN 50521.



Simple insulation stripping

The notches in the screw cap indicate how much insulation to strip off.



Ergonomic

The easy-grip design makes assembly easy, even under difficult conditions.



Award-winning design

The PV-Stick's impressive blend of form and function has been recognised by three international juries of experts.






Technical data and ordering data



Technical data

Continuous operating temperature	-40 °C to +85 °C
Protection class (plugged/open)	IP 65 / IP 2x
Rated current	30 A
Rated voltage	1,000 V DC
Cable diameter	4 mm ² / 6 mm ²
Cable exterior diameter	5.5 mm to 7.5 mm
Cable as per standard	2PFG1169/08.07
Pollution degree	II
Approval	TÜV (DIN EN 50521)
Connection system	PUSH IN (Spring terminal connection)




Ordering data

Female	Type	Qty.	Order No.
	PV-STICK+ VPE10	10	1303450000
	PV-STICK+ VPE50	50	1303460000
	PV-STICK+ VPE200	200	1303470000
Male			
	PV-STICK- VPE10	10	1303490000
	PV-STICK- VPE50	50	1303500000
	PV-STICK- VPE200	200	1303510000
PV-Stick set			
	PV-STICK SET		
	Female connector	1	
	Male connector	1	1422030000

Accessories

	Type	Qty.	Order No.
	VSS0 WM4 Universal dust cap for male and female housings	100	1254870000
	SAFETY-CLIP WM4 Safety clip against unintended opening	10	1328150000

Related products

	Type	Qty.	Order No.
	multi-stripax® PV Wire stripping pliers for PV wires from 2.5 mm ² to 6 mm ²	1	1190490000
	KT 8 Cutting tool	1	9002650000
	SET MULTI-TOOL PV+ Optional mounting tool	1	1217280000

Classic connection system

WM4 with conventional connector face and proven Weidmüller quality

Our classic system for rapid crimp connections: effective and standard-compliant

The WM4 is our modern crimp connector. It combines outstanding quality with ease of handling and is available as a field or housing connector. The standard "Type 4" connector face allows it to be used with Weidmüller's entire range of connectors. As you would expect, the WM4 is offered with accessories and suitable, high-quality tools to permit safe and reliable wiring.

Multi-function tool

The Weidmüller Multi-Tool offers many different functions for working with connectors.

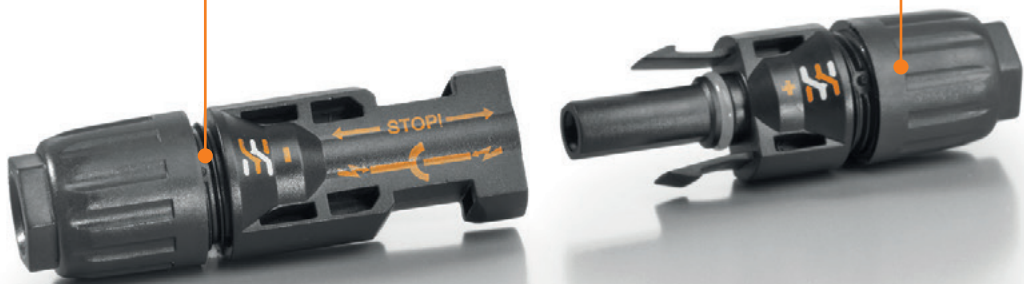


High current rating

Loads with a rated current of up to 30 A are possible.

Standards-conformant quality

The connector is TÜV-certified and conforms to the latest norm DIN EN 50521.



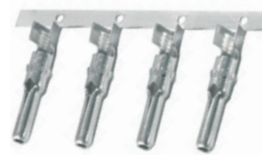
Wide range of cross-section

4 mm² and 6 mm² cables are handled with one crimp contact.



One-stop shopping

Weidmüller offers a wide range of reliable components for installing photovoltaic plants.





Technical data and ordering data



Technical data


	WM4 field connector	WM4 housing connector
Continuous operating temperature	-40 °C to +85 °C	-40 °C to +85 °C
Protection class (plugged/open)	IP 65 / IP 2x	IP 65 / IP 2x
Rated current	30 A	30 A
Rated voltage	1,000 V DC (IEC)	1,000 V DC (IEC)
Cable diameter	4 mm ² / 6 mm ²	4 mm ² / 6 mm ²
Cable exterior diameter	6 mm to 7 mm	6 mm to 7 mm
Cable as per standard	2PIG1169/08.07	2PIG1169/08.07
Thread	M16	M12
Pollution degree	II	II
Approvals	TÜV (DIN EN 50521)	TÜV (DIN EN 50521)

Ordering data



WM4 field connector



	Type	Qty.	Order No.
	BUGH WM4 Female housing	100 (in bag)	1217960000
	BUGH WM4 Female housing	500 (in bag)	1217940000
	BUKO WM4 Female contact	100 (in bag)	1217760000
	BUKO WM4 Female contact	1,500 (on roll)	1217750000

	Type	Qty.	Order No.
	SFGH WM4 Male housing	100 (in bag)	1217850000
	SFGH WM4 Male housing	500 (in bag)	1217830000
	SFKO WM4 Male contact	100 (in bag)	1217670000
	SFKO WM4 Male contact	1,500 (on roll)	1217650000




Set	Type	Qty.	Order No.
	WM4 I SET, consisting of 1x Female housing, 1x Female contact, 1x Male housing, 1x Male contact	1 (in bag)	1344960000




WM4 housing connector

	Type	Qty.	Order No.
	BUGH BOX WM4 Female housing	100 (in bag)	1453040000
	BUGH BOX WM4 Female housing	500 (in bag)	1307280000
	BUKO WM4 Female contact	100 (in bag)	1217760000
	BUKO WM4 Female contact	1,500 (on roll)	1217750000

	Type	Qty.	Order No.
	SFGH BOX WM4 Male housing	100 (in bag)	1453050000
	SFKO BOX WM4 Male housing	500 (in bag)	1307200000
	SFKO WM4 Male contact	100 (in bag)	1217670000
	SFKO WM4 Male contact	1,500 (on roll)	1217650000

Accessories and related products

	Type	Qty.	Order No.
	VSSO WM4 Universal dust cap for male and female housings	100	1254870000
	SAFETY-CLIP WM4 Safety clip against unintended opening	10	1328150000
	multi-stripax® PV Wire stripping pliers for PV wires from 2.5 mm ² to 6 mm ²	1	1190490000

	Type	Qty.	Order No.
	CTF PV WM4 Crimping tool	1	1222870000
	KT 8 Cutting tool	1	9002650000
	SET MULTI-TOOL PV+ Optional mounting tool	1	1217280000

Weidmüller – Your partner in 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 Industrial Connectivity.

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