


Connector for Photovoltaic System

Assembly Instructions		
		
PV-Female Cable Coupler		PV-Male Cable Coupler
Type	Order No.	We recommend that sealing caps be used to protect the unplugged PV-connectors in photovoltaic systems from moisture and dirt.
PV-GZX0601-1		

★ If during self assembly, parts and tools other than those stated by CPS are used or if the preparation and assembly instructions described here are disregarded then neither safety nor compliance with the technical data can be guaranteed.





Touch Protection.....IP65


Safety Class.....II

Rated Voltage:.....1000 V DC(IEC/TUV) / 600V DC(UL)

Rated Current:.....16 A DC maximum

Ambient Temperature Range:.....-40°C to +85°C

Tools Required	
	(i) Crimping Plier Type: T 02
	(ii) Open-end spanner set Type: T 04
	(iii) Connection Cover Cutting Pliers Type: T 01
	(iv) Long Flat Nose Pliers Type: T 05

Cable preparation	Photovoltaic Cable
	Type: 1 × 4mm ² / 1 × 6mm ² Color: Black Red
Assembly of cable coupler	



(i) Strip cable insulation. L = 8 mm
 Take care not to cut individual strands.



(ii) Crimping



Use part long flat nose pliers wrap individual strands with carry current metal and crimp carry current metal.



(iii) Push the crimped contact into the socket respectively. Plug insulator until it engages. Put lightly on the lead to check that the metal part has engaged.



(iv) Screw on the cable gland, hand-tight, with the tools T04.



The tightening torque must be adapted to the PV cable used in each specific case. Typical values is 1.5 Nm.

Plugging and unplugging the cable coupler

(i) Plugging

Plug the coupling together until they engage. Check correct engagement by pulling on the coupling.

(ii) Unplugging

Compress the two snap-in spring by hand or with the safety lock clip and separate the coupling

Correct Routing of Cable



★ For protection against electric shock, PV-connectors must be isolated from the power supply while being assembled or disassembled.