

PLUG SYSTEMS FOR PHOTOVOLTAIC SYSTEMS

Multi-Contact plug system MC 3

PV-KST3...



PV-KBT3...



PV-AZS3



PV-AZB3



Crimping tool PV-CZ
(2.5 / 4 mm²)



Crimping tool PV-CZM-16100A
(2.5 / 4 / 6 mm²)



Insulation stripper PV-AZM
(1.5 / 2.5 / 4 / 6 mm²)



Mounting tool PV-RWZ3 +
2 x tapered spindles



PRODUCT ADVANTAGES:

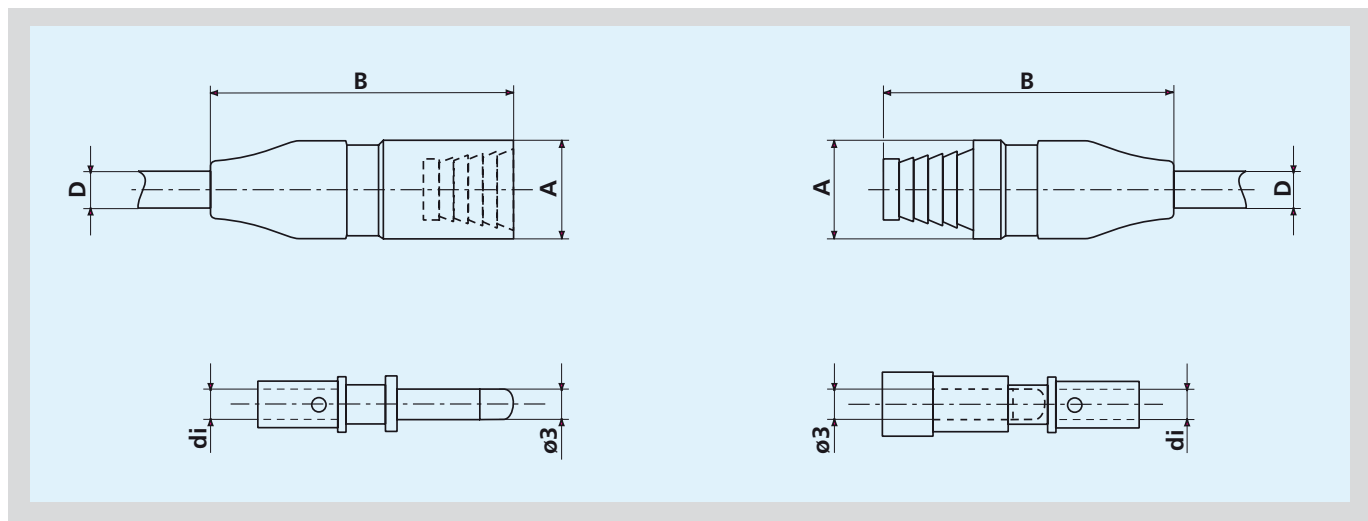
Rate current
Max. 30 A⁽¹⁾ for 6 mm²
Max. 20 A⁽¹⁾ for ≤ 4 mm²

System voltage max. 1000 V

Protection degree (when connected) IP 65⁽²⁾

Protection class II

Temperature range -40 °C ... +90 °C



PV coupler plug PV-KST3...

PV coupler socket PV-KBT3...

Type	A (Outer plug Ø)	B (Plug connector length)	Da (Outer wire Ø)	Dq (Conductor cross-section)	di (Ø mm)
PV-KST 3I	13.5 mm	41.6 mm	3.2 – 4.8 mm	2 – 4 mm ²	3
PV-KST 3I	13.5 mm	40.0 mm	3.2 – 4.8 mm	2 – 4 mm ²	3
PV-KST 3II	13.5 mm	41.6 mm	4.9 – 7.1 mm	2 – 4 mm ²	3
PV-KBT 3II	13.5 mm	40.0 mm	4.9 – 7.1 mm	2 – 4 mm ²	3
PV-KST 3III	13.5 mm	51.6 mm	6.5 – 9.0 mm	2 – 4 mm ²	3
PV-KBT 3III	13.5 mm	50.0 mm	6.5 – 9.0 mm	2 – 4 mm ²	3
PV-KST 3/6IIA	13.5 mm	51.6 mm	4.9 – 7.1 mm	6 mm ²	4
PV-KBT 3/6IIA	13.5 mm	50.0 mm	4.9 – 7.1 mm	6 mm ²	4
PV-KST 3/6III	13.5 mm	51.6 mm	6.5 – 9.0 mm	6 mm ²	4
PV-KBT 3/6III	13.5 mm	50.0 mm	6.5 – 9.0 mm	6 mm ²	4

Technical data

Rate current	max. 30 A ⁽¹⁾ for 6 mm ² , max. 20 A ⁽¹⁾ for ≤ 4 mm ²
Max. system voltage	1000 V
Contact resistance	≤ 5 mΩ
Contact material	Cu/Sn (copper/tin)
Connection type	Crimp connection
Rated x socket	3 mm
Protection degree	IP 65 ⁽²⁾
Temperature range	–40 °C ... +90 °C
Insulation material	TPE/PA

Type	Article numbers
MC-plug connector PV-KST 3I	7200111301
MC socket PV-KBT 3I	7200112301
MC-plug connector PV-KST 3II	7200111302
MC socket PV-KBT 3II	7200112302
MC-plug connector PV-KST 3III	7200111303
MC socket PV-KBT 3III	7200112303
MC plug connector PV-KST 3/6IIA	7200111602
MC socket PV-KBT 3/6IIA	7200112602
MC plug connector PV-KST 3/6III	7200111603
MC socket PV-KBT 3/6III	7200112603
Branch plug PV-AZS3	7200113005
Branch plug PV-AZB3	7200114005
Crimping tool PV-CZ for 2.5 / 4 mm ² cross-section	7200139025
Crimping tool PV-CZM-16100A for 2.5 / 4 / 6 mm ² cross-section	7200139026
Tool set PV-WZ3-SET (PV-CZ + PV-RWZ3 + PV-WZB)	7200139035
Insulation stripper PV-AZM for 1.5 / 2.5 / 4 / 6 mm ² cross-section	7200139040
Mounting tool PV-RWZ3 incl. 2 x tapered spindles	7200139055
Tapered spindle PV-KO3 I+II	7200139060
Tapered spindle PV-KO3 III	7200139065

⁽¹⁾ Depends on conduction type and the ambient temperature according to IEC 60364-5-523

⁽²⁾ IP65 for PV-AZS3/PV-AZB3
IP67 for PV-KST3.../PV-KBT3...

Electrical specifications and standard test conditions: 1000 W/m²; 25 °C; AM 1.5. Subject to technical changes for further improvements.