

PLUG CONNECTOR SYSTEMS for photovoltaic systems

Multi-Contact plug connector system MC 3



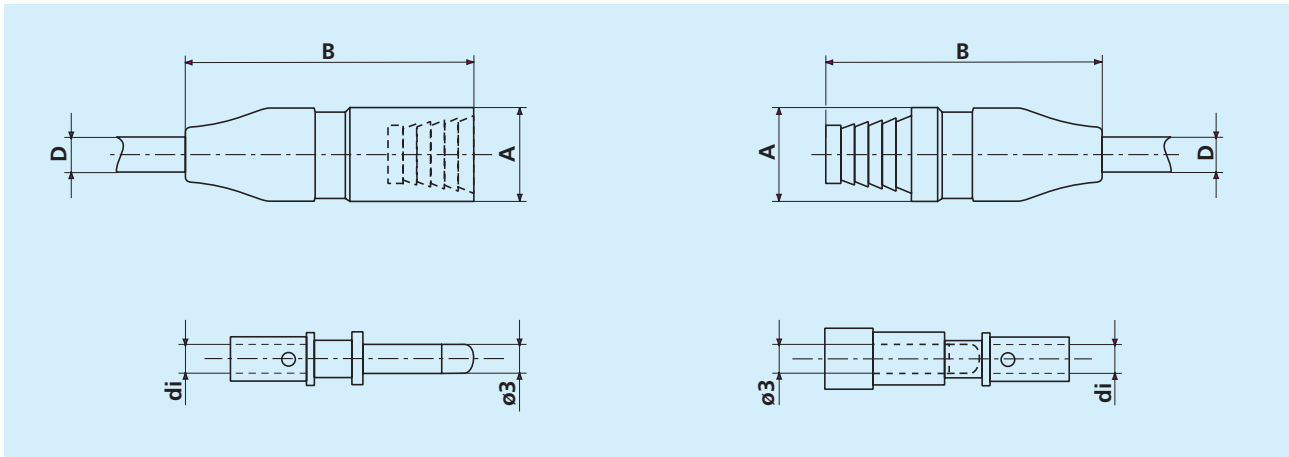
Rated current
max. 30 A⁽¹⁾ for 6 mm²
max. 20 A⁽¹⁾ for ≤ 4 mm²

System voltage max. 1000 V

Protection mode, mated IP65⁽²⁾

Safety class II

Temperature range -40°C...+90°C



PV male cable coupler PV-KST3...

PV female cable coupler PV-KBT3...

Type

Type	A (plug outer ϕ)	B (plug length)	Da (cable outer ϕ)	Dq (cable cross section)	di (ϕ mm)
PV-KST 3I	13,5 mm	41,6 mm	3,2–4,8 mm	2–4 mm ²	3
PV-KBT 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

Rated current
 Max. system voltage
 Contact resistance
 Contact material
 Connection type
 Nominal socket ϕ
 Protection type
 Temperature range
 Insulation material

max. 30 A⁽¹⁾ at 6 mm², max. 20 A⁽¹⁾ at \leq 4 mm²
 1000V
 \leq 5m Ω
 Cu/Sn
 crimp connection
 3 mm
 IP65⁽²⁾
 -40°C...+90°C
 TPE/PA

Type

MC plug connector PV-KST 3I
 MC socket PV-KBT 3I
 MC plug connector PV-KST 3II
 MC socket PV-KBT 3II
 MC plug connector PV-KST 3III
 MC socket PV-KBT 3III
 MC plug connector PV-KST 3/6IIA
 MC socket PV-KBT 3/6IIA
 MC plug connector PV-KST 3/6III
 MC socket PV-KBT 3/6III
 Branch plug PV-AZS3
 Branch socket PV-AZB3
 Crimping pliers PV-CZ for 2,5 / 4 mm² cross section
 Crimping pliers PV-CZM-16100A for 2,5 / 4 / 6 mm² cross section
 Tool case PV-WZ3-SET (PV-CZ + PV-RWZ3 + PV-WZB)
 Stripping pliers PV-AZM für 1,5/2,5/4/6 mm² cross section
 Assembly tool PV-RWZ3 incl. 2x tapered spindles
 Tapered spindle PV-KO3 I-II
 Tapered spindle PV-KO3 III

Article numbers

7200111301
 7200112301
 7200111302
 7200112302
 7200111303
 7200112303
 7200111602
 7200112602
 7200111603
 7200112603
 7200113005
 7200114005
 7200139025
 7200139026
 7200139035
 7200139040
 7200139055
 7200139060
 7200139065

⁽¹⁾ depends on cable type and ambient temperature according to IEC 60364-5-523

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