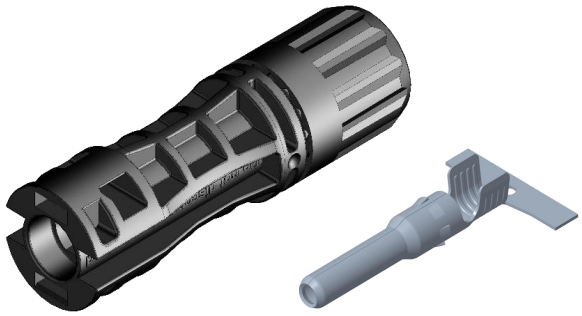
PV Cable Connector: PV-JK03M series

Male and female connector

PV-JK03M-M/xy (IEC)
PV-JK03M-M/xyab (UL)

PV-JK03M-F/xy (IEC)
PV-JK03M-F/xyab (UL)



Technical Data

Rated Voltage	1000V DC / 1500V DC (IEC) 1000V DC / 1500V DC (UL)
Rated Current (IEC 85℃)	30A (2.5mm² ; 14AWG) 45A (4.0mm² ; 12AWG) 50A (6.0mm² ; 10AWG) 60A(10.0mm²; 8AWG)
Operating Temperature Range	-40℃~+85℃
Upper Limiting Temperature	105℃ (IEC)
Degree of Protection, mated Degree of Protection, unmated	IP65 / IP68 (1m, 2h) in mated condition IP2X in unmated condition
Application Class	Class A
Over Voltage Category / Pollution Degree	Class III / 2
Contact Resistance	≤0.3mΩ
Protection Class	CAT II
Terminal Connection	Crimping
Contact Material	Copper, tin plated
Insulation Material	m-PPE / PC / PA
Flame Class	UL94 V-0
Certification Standard	IEC 62852; UL6703

CAUTION: READ INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.
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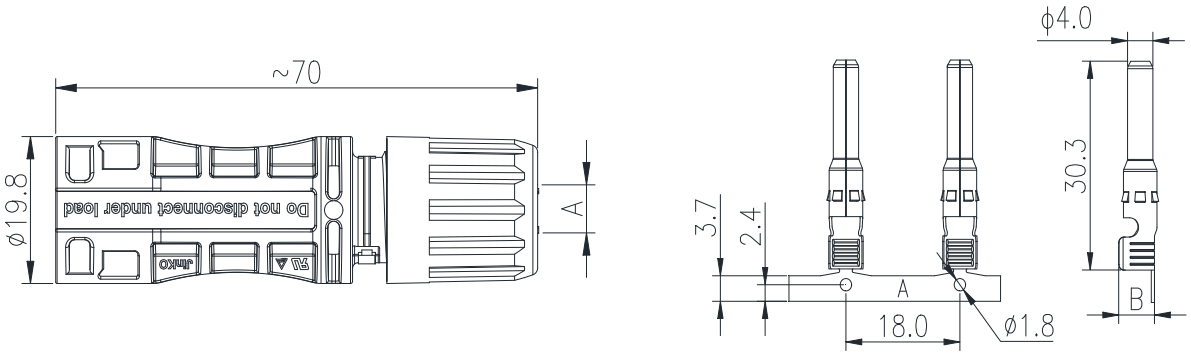
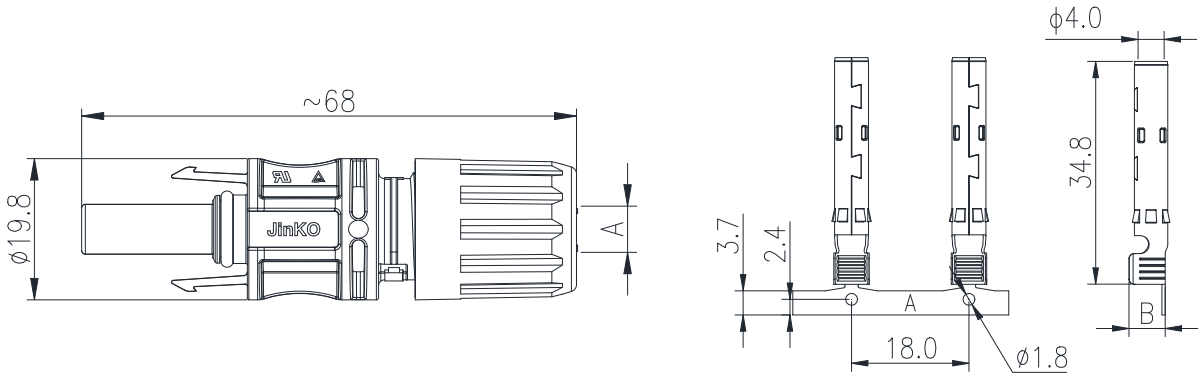
PV Cable Connector: PV-JK03M series

Dimension drawing

PV-JK03M-M/xy (IEC)
PV-JK03M-M/xyab (UL)



PV-JK03M-F/xy (IEC)
PV-JK03M-F/xyab (UL)



Product model code description

TUV CODE DESCRIPTION

PV-JK03M/ x y

- y: RATED CURRENT:
  - y=A 30A;
  - y=B 45A;
  - y=C 50A;
  - y=D 60A;
- x: RATED VOLTAGE:
  - x=1 1000V DC;
  - x=2 1500V DC;
- PV-JK03M SERIES CABLE CONNECTOR

UL CODE DESCRIPTION

PV-JK03M/ x y a b

- b: NUT MATERIAL:
  - b=1 PA66;
  - b=2 PA66(R02);
- a: HOUSING MATERIAL:
  - a=1 PC;
  - a=2 m-PPE;
- y: CABLE SPECIFICATION:
  - y=A 14AWG;
  - y=B 12AWG;
  - y=C 10AWG;
  - y=D 8AWG;
- x: SYSTEM VOLTAGE:
  - x=1 1000V DC;
  - x=2 1500V DC;
- PV-JK03M SERIES CABLE CONNECTOR

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PV Cable Connector: PV-JK03M series

Product information

Type Name / Model	Male	Female	Outer diameter of the cable	Crimp opening height	IEC 62852			UL 6703			Certification	
			A(mm)	B(mm)	mm²	DC V	A	AWG	DC V	A	TUV	UL
PV-JK03M/1Aab		√	6.3	4.1				14	1000	30		√
	√		6.3	4.1				14	1000	30		√
PV-JK03M/1Bab		√	6.2 - 7.2	5.6				12	1000	45		√
	√		6.2 - 7.2	5.6				12	1000	45		√
PV-JK03M/1Cab		√	6.2 - 7.2	5.6				10	1000	50		√
	√		6.2 - 7.2	5.6				10	1000	50		√
PV-JK03M/1Dab		√	9.0	7.6				8	1000	60		√
	√		9.0	7.6				8	1000	60		√
PV-JK03M/2Aab		√	6.3	4.1				14	1500	30		√
	√		6.3	4.1				14	1500	30		√
PV-JK03M/2Bab		√	6.2 - 7.2	5.6				12	1500	45		√
	√		6.2 - 7.2	5.6				12	1500	45		√
PV-JK03M/2Cab		√	6.2 - 7.2	5.6				10	1500	50		√
	√		6.2 - 7.2	5.6				10	1500	50		√
PV-JK03M/2Dab		√	9.0	7.6				8	1500	60		√
	√		9.0	7.6				8	1500	60		√
PV-JK03M/1A		√		4.1	2.5	1000	30				√	
	√			4.1	2.5	1000	30				√	
PV-JK03M/1B		√		5.6	4.0	1000	45				√	
	√			5.6	4.0	1000	45				√	
PV-JK03M/1C		√		5.6	6.0	1000	50				√	
	√			5.6	6.0	1000	50				√	
PV-JK03M/1D		√		7.6	10	1000	60				√	
	√			7.6	10	1000	60				√	
PV-JK03M/2A		√		4.1	2.5	1500	30				√	
	√			4.1	2.5	1500	30				√	
PV-JK03M/2B		√		5.6	4.0	1500	45				√	
	√			5.6	4.0	1500	45				√	
PV-JK03M/2C		√		5.6	6.0	1500	50				√	
	√			5.6	6.0	1500	50				√	
PV-JK03M/2D		√		7.6	10	1500	60				√	
	√			7.6	10	1500	60				√	

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