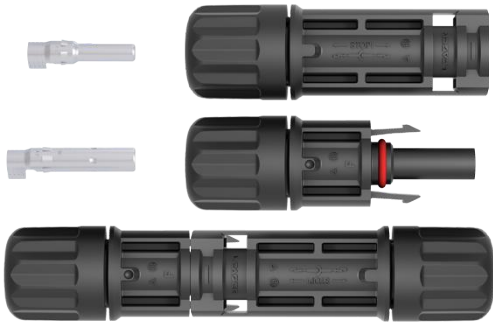


## PV-BN101A Series



IEC 1500V  
UL 1500V



IEC62852  
UL 6703



-40 °C ~ 85 °C



UL94-V0



IP 68

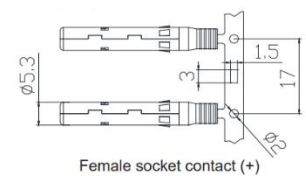
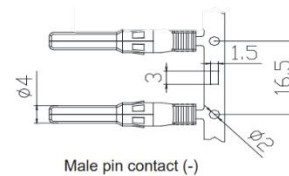


UV Resistance



## Product Overview

PV-BN101A Series connectors use high quality weather resistance materials that guarantee long-term reliability. PV-BN101A could match 2.5 mm<sup>2</sup> to 16mm<sup>2</sup> cables, it could be widely used in different applications. The lower contact resistance and higher current transfer capability ensure high product efficiency. PV-BN101A connectors have IP68 water-proof rating and can be used in a wide operating temperature range from -40 °C to 85 °C.

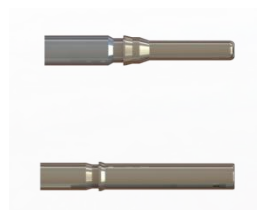


PV-BN101A(XXX1)  
With lock

PV-BN101A(XXX2)  
Without lock



U Type  
Terminals



O Type  
Terminals



## Technical Data

Rated Voltage	IEC 1500V & UL1500V
Certification	IEC 62852; UL 6703
Rated Current	Max 70A
Ambient Temp	-40 °C up to +85 °C
Contact Resistance	≤0.25mΩ
Pollution Degree	Class II
Protection Degree	Class II
Fire Resistance	UL94-V0
Rated Impulse Voltage	16KV

**Remark:**The exposure to or direct contact with chemicals or oils of PV-BN101A products may cause corrosion, degradation of performance, or cracking of the product, thus such exposure or direct contact should be strictly prohibited during the process of product manufacturing, transportation, installation and application. The chemicals that may come into contact with or be used in the process above.



## Order Data

Series Model	Components		Cable Spec	Rated Current	Rated Voltage	Remark
PV-BN101A-U	Housings	PV-BN101A-M6-1	OD:4.7mm~6.0mm	25A for 2.5mm <sup>2</sup>	1500V	With NEC lock
		PV-BN101A-F6				
	Terminals	PV-BN101A-MU	14AWG / 2.5mm <sup>2</sup>			
		PV-BN101A-FU				
PV-BN101A-U	Housings	PV-BN101A-M7-1	OD: 5.5mm~6.9mm	35A for 4mm <sup>2</sup> 40A for 6mm <sup>2</sup>		
		PV-BN101A-F7				
	Terminals	PV-BN101A-MU	12AWG~10AWG/4mm <sup>2</sup> ~6mm <sup>2</sup>			
		PV-BN101A-FU				
PV-BN101A-U	Housings	PV-BN101A-M8-1	OD:6.0mm~8.0mm	50A for 10mm <sup>2</sup>		
		PV-BN101A-F8				
	Terminals	PV-BN101A-MU	12AWG~10AWG/4mm <sup>2</sup> ~6mm <sup>2</sup>			
		PV-BN101A-FU				
PV-BN101A-O	Housings	PV-BN101A-M8-1	OD:6.0mm~8.0mm	70A for 16mm <sup>2</sup> Or 6AWG		
		PV-BN101A-F8				
	Terminals	PV-BN101A-MO-10	8AWG/10mm <sup>2</sup>			
		PV-BN101A-FO-10				
PV-BN101A-O	Housings	PV-BN101A-M8-1	OD:6.0mm~8.5mm	70A for 16mm <sup>2</sup> Or 6AWG		
		PV-BN101A-F8				
	Terminals	PV-BN101A-MO-16	6AWG/16mm <sup>2</sup>			
		PV-BN101A-FO-16				
PV-BN101A-O	Housings	PV-BN101A-M10-1	OD:8.5mm~9.3mm	70A for 16mm <sup>2</sup> Or 6AWG		
		PV-BN101A-F10				
	Terminals	PV-BN101A-MO-16	6AWG/16mm <sup>2</sup>			
		PV-BN101A-FO-16				
Series Model	Components		Cable Spec	Rated Current	Rated Voltage	Remark
PV-BN101A-U	Housings	PV-BN101A-M6-2	OD:4.7mm~6.0mm	25A	1500V	Without NEC lock
		PV-BN101A-F6				
	Terminals	PV-BN101A-MU	14AWG / 2.5mm <sup>2</sup>			
		PV-BN101A-FU				
PV-BN101A-U	Housings	PV-BN101A-M7-2	OD: 5.5mm~6.9mm	35A for 4mm <sup>2</sup> 40A for 6mm <sup>2</sup>		
		PV-BN101A-F7				
	Terminals	PV-BN101A-MU	12AWG~10AWG/4mm <sup>2</sup> ~6mm <sup>2</sup>			
		PV-BN101A-FU				
PV-BN101A-U	Housings	PV-BN101A-M8-2	OD:6.0mm~8.0mm	50A for 10mm <sup>2</sup>		
		PV-BN101A-F8				
	Terminals	PV-BN101A-MU	12AWG~10AWG/4mm <sup>2</sup> ~6mm <sup>2</sup>			
		PV-BN101A-FU				
PV-BN101A-O	Housings	PV-BN101A-M8-2	OD:6.0mm~8.0mm	50A for 10mm <sup>2</sup>		
		PV-BN101A-F8				
	Terminals	PV-BN101A-MO-10	8AWG/10mm <sup>2</sup>			
		PV-BN101A-FO-10				
Name		IP Spec	PIC		Package	
Female Connector water proof Plug		IP65			500pcs/bag	
Male Connector water proof Plug		IP65			500pcs/bag	

Remark: Customized options available, for more information, please contact LEADER team: [info@leadergroup-cn.com](mailto:info@leadergroup-cn.com)

