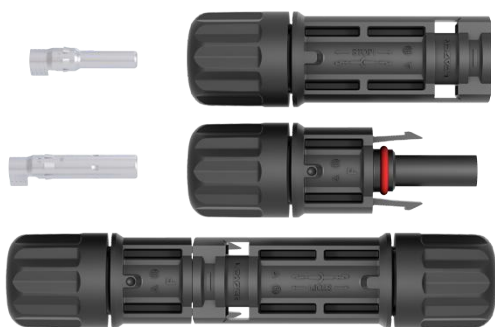


PV-BN101A Series



IEC 1500V
UL 1500V



IEC62852
UL 6703



-40 °C ~ 85 °C



UL94-V0



IP 68



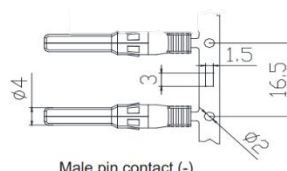
UV Resistance



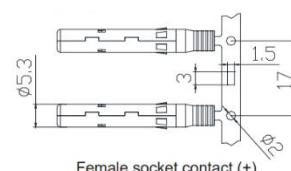
Product Overview

PV-BN101A Series connectors use high quality weather resistance materials that guarantee long-term reliability.

PV-BN101A could match 2.5 mm² to 16mm² 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.



Male pin contact (-)



Female socket contact (+)

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 Voltag	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 2.5mm²	1500V	With NEC lock	
		PV-BN101A-F6	14AWG / 2.5mm²				
	Terminals	PV-BN101A-MU					
		PV-BN101A-FU					
PV-BN101A-U	Housings	PV-BN101A-M7-1		OD: 5.5mm~6.9mm			35A for 4mm² 40A for 6mm²
		PV-BN101A-F7	12AWG~10AWG/4mm²~6mm²				
	Terminals	PV-BN101A-MU					
		PV-BN101A-FU					
PV-BN101A-U	Housings	PV-BN101A-M8-1		OD:6.0mm~8.0mm			50A for 10mm²
		PV-BN101A-F8	8AWG/10mm²				
	Terminals	PV-BN101A-MU		12AWG~10AWG/4mm²~6mm²			
		PV-BN101A-FU					
PV-BN101A-O	Housings	PV-BN101A-M8-1					OD:6.0mm~8.0mm
		PV-BN101A-F8	6AWG/16mm²				
	Terminals	PV-BN101A-MO-10		6AWG/16mm²			
		PV-BN101A-FO-10					
PV-BN101A-O	Housings	PV-BN101A-M8-1			OD:6.0mm~8.5mm	70A for 16mm² Or 6AWG	
		PV-BN101A-F8	6AWG/16mm²				
	Terminals	PV-BN101A-MO-16		6AWG/16mm²			
		PV-BN101A-FO-16					
PV-BN101A-O	Housings	PV-BN101A-M10-1			OD:8.5mm~9.3mm	50A for 10mm²	
		PV-BN101A-F10	8AWG/10mm²				
	Terminals	PV-BN101A-MO-16		8AWG/10mm²			
		PV-BN101A-FO-16					
Series Model	Components				Cable Spec	Rated Current	Rated Voltage
PV-BN101A-U	Housings	PV-BN101A-M6-2	OD:4.7mm~6.0mm		25A	1500V	Without NEC lock
		PV-BN101A-F6	14AWG / 2.5mm²				
	Terminals	PV-BN101A-MU					
		PV-BN101A-FU					
PV-BN101A-U	Housings	PV-BN101A-M7-2		OD: 5.5mm~6.9mm	35A for 4mm² 40A for 6mm²		
		PV-BN101A-F7	12AWG~10AWG/4mm²~6mm²				
	Terminals	PV-BN101A-MU					
		PV-BN101A-FU					
PV-BN101A-U	Housings	PV-BN101A-M8-2		OD:6.0mm~8.0mm	50A for 10mm²		
		PV-BN101A-F8	12AWG~10AWG/4mm²~6mm²				
	Terminals	PV-BN101A-MU					
		PV-BN101A-FU					
PV-BN101A-O	Housings	PV-BN101A-M8-2		OD:6.0mm~8.0mm	50A for 10mm²		
		PV-BN101A-F8	8AWG/10mm²				
	Terminals	PV-BN101A-MO-10		8AWG/10mm²			
		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

