

Part I: Basic Technical Data for Z8

Certifications	TUV		UL
Standard	EN 50548 & IEC 62790		UL3730
Certification No.	R 50360697(EN) & R50359034(IEC)		E 351403
Wire Size	1X4.0mm ²		12AWG
Rated System Voltage	1000V DC or 1500V DC		
Rated Current	16A	20SQ045 (If=20A;Vrrm=45V) & 20SQ100(If=20A;Vrrm=100V)	
	18A	25SQ045 (If=25A;Vrrm=45V)	
Temperature Range	-40°C ~ 85°C		
Safety Class	Class II		
Flame Resistance	5VA		
Protection Degree	IP68		
Sealing type	Potting		
Volume of Silicon Gel	Appr. 36mL		
Distance between contact rails	30mm & 16.2mm (See page 2 and 3)		
Material of contact rails	Brass		
Bus ribbons size	Width: 2.0mm ~ 8.0mm, Thickness: 0.2mm ~ 0.5mm		
Connecting of bus ribbons	Soldering		
Box size	See page 2 and 3.		
No. of Diode	3		
Insulation Material	PPO		

Connector:

Manufacturer	Type	Approval
Dongguan Zerun Electronics Technology Co.,Ltd.	Z4S	TUV:R50363877, UL:E351402
Tyco Electronics (Shanghai) Co., Ltd.	PV4-S1yx	TUV:R50372137, UL:E353372
Multi-Contact AG Basel	PV-KST4/xy-UR; PV-KBT4/xy-UR	TUV:R60111354, UL:E343181
	PV-KBT4-EVO2/xy, PV-KST4-EVO2/xy	TUV:R60098495, UL:E349713
Amphenol Industrial Operations	H4-abcdef	TUV:R50388083, UL:E339277
	UTX	TUV:R50340393, UL:E339277

Part II: Z8 Naming Code

Z8 - a b c d e

Material	- 1: PPO + Horizontal bus-bar - 2: PPO + Vertical bus-bar
System voltage	- K: 1000V; - O: 1500V
Rated Current	- G: 16A; - I: 18A; -W: 20A
Structure	- S: Width 43.5mm - X: "L" Box
Diode & Rails	- 4: 3diodes,6 conducting strip
J-box Series	- Z8: Traditional Triple potting J-Box

Part number example - **Z8-4SGO2**

Split type Junction Box Assembly, 3 diodes, The width of box is 43.5mm, rated current 16A, 1500V certification, PPO material, Horizontal bus-bar.

Part III: Pictures for Z8-abcde(b=S, e=1/2)

e=1	
e=2	
Pitch	

Part V: Pictures for Z8-abcde(b=X, e=1/2)

<p>b=X; e=1</p>			
<p>b=X; e=2</p>			
<p>Pitch</p>			