

Part I: Basic Technical Data for Z7

Certifications	TUV		UL
Standard	IEC62790		UL3730
Certificate No.	R 50359706		E 351403
Wire Size	1 x 4mm ²		12AWG
Rated system voltage	1000V DC or 1500V DC		
Rated Current	16A	Diode: 20SQ045 (If=20A;Vrrm=45V) 25SQ045 (If=25A;Vrrm=45V)	
	13A	Diode: 15SQ045 (If=15A;Vrrm=45V)	
	7.2A	Diode: F1200D (If=12A;Vrrm=150V)	
Operation temperature	-40℃~ 85℃		
Safety Class	Class II		
Flame Resistance	5VA		
Protection Degree	IP68		
Sealing type	Potting		
Volume of Silicon Gel	Appr. 21mL		
Distance between contact rails	18mm		
Material of contact rails	Copper		
Bus ribbons size	Width: 3.0mm -9.5mm, Thickness: 0.2mm - 0.5mm		
Connecting of bus ribbons	Soldering		
Box size	109.5X60.1X18.0 mm		
No. of Diode	3		
Insulation Material	Housing & Lid	PPE or PPO	
	Bracket	PA66	

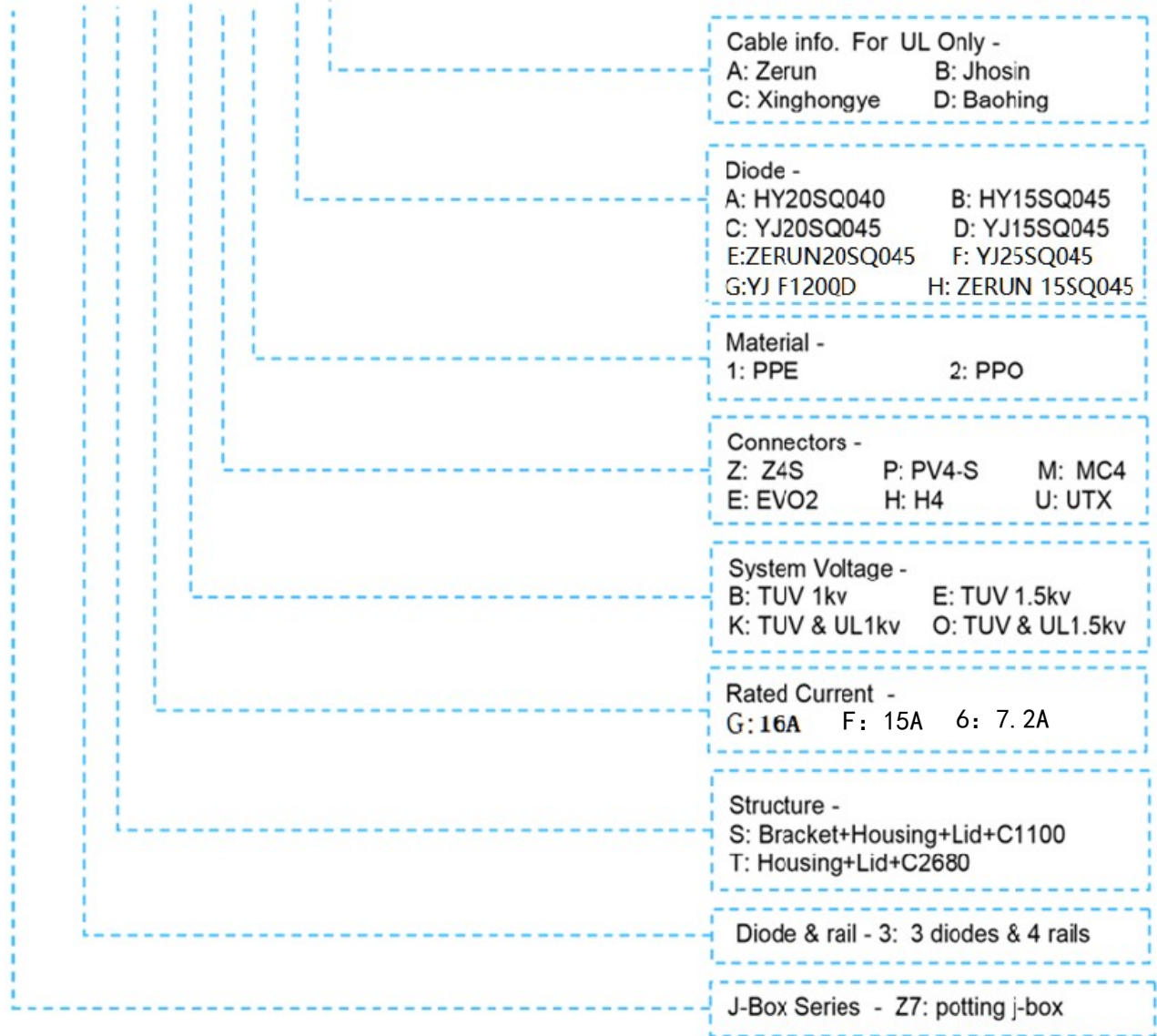
Connector

Manufacture	Type	Certificate No
Zerun Co.,Ltd.	Z4S	TUV:R50363877 UL:E351402

Tyco Electronics (Shanghai) Co., Ltd.	PV4-S1yx (PV4-S)	TUV: R50285041	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: Z7 Naming Code

Z7 -a b c d e f -g h



Model number example: Z7-3SGOZ1-EA

Junction box assembly, 3 diodes, Structure:Bracket+Housing+Lid+C1100, rated current 16A, TUV/UL 1500V certificate, Z4S connector, ZERUN20SQ045 Diode, ZERUN cable.

Part III: Z7 Pictures

