Power connector

250V 25A

Technical characteristics

Specifications	
Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	

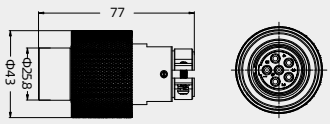
Electrical data	
Number of contacts	6
Electrical properties	
-Rated current	25A
-Rated voltage	250V（AC）
-Rated impulse voltage	2kV（AC）
-Insulation resistance	⩾ 2000MΩ(normal temperature)
-Contact resistance	⩽ 1mΩ
Material and finish	
-Hoods/Housings	Copper alloy
-contact	Gold-plated copper alloy
-Insulating material	Thermosets
-Sealing element	Rubber

Machanical properties	
-Vibration	frequency10~2000Hz,accelerated speed147m/s2，instant break ⩽ 1us
-Shock	accelerated speed 490m/s2，instant break ⩽ 1us
-Mechanical working life	⩾ 500
-Lock mode	Thread locking
-Cable and outlet diameter	Φ12.5mm
Environmental performance	
-Relative humidity	90%~95%（40°C ±2°C）
-Working temperature	-40°C—+105°C
-Salt mist test requirements	5% NaCl neutral steady salt mist 96 h
-Degree of Protection	IP65

Crimp terminal

Order crimp contacts separately

Insert	Designation	Order No.
Male	HY-T3006-S01E1-GMC	169 006 410 1001

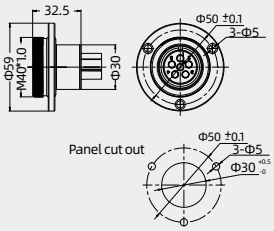


Crimp terminal

Order crimp contacts separately

Can match the Protection cover:HY-Z30-CV

Insert	Designation	Order No.
Female	HY-Z3006-S01E0-GFC	169 006 320 1001

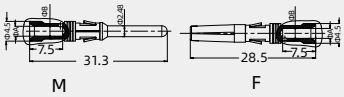


Accessories

Crimp contacts 25A

Contact resistance ≤ 1 mΩ
gold plated

NO.	Male	Order No.	Female	Order No.
①	CYGM25-0.5	101 021 210 0401	CYGF25-0.5	101 021 220 0401
②	CYGM25-0.75	101 021 210 0601	CYGF25-0.75	101 021 220 0601
③	CYGM25-1.0	101 021 210 0801	CYGF25-1.0	101 021 220 0801
④	CYGM25-1.5	101 021 210 0901	CYGF25-1.5	101 021 220 0901
⑤	CYGM25-2.5	101 021 210 1001	CYGF25-2.5	101 021 220 1001
⑥	CYGM25-3.0	101 021 210 1101	CYGF25-3.0	101 021 220 1101



NO.	Identification	ΦA/mm	ΦB/mm	Wire gauge	
①	no groove	1.15	2.60	0.5 mm²	AWG20
②	1 groove	1.30	2.60	0.75 mm²	AWG18
③	1 groove	1.45	2.60	1.0mm²	AWG18
④	2 groove	1.75	3.00	1.5 mm²	AWG16
⑤	3 groove	2.25	3.50	2.5 mm²	AWG14
⑥	2 groove	2.55	3.75	3.0mm²	AWG12

Tools

Crimping tool

Wire gauge	Designation	Order No.
0.14-4mm²	TL02G	198 002 000 0011

Contact removal tool

Application	Designation	Order No.
for crimp contacts 25A	HY-TL01	198 001 000 0020

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.