

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	$\geq 2000\text{M}\Omega$ (normal temperature)
-Contact resistance	$\leq 1\text{m}\Omega$
Material and finish	
-Hoods/Housings	Copper alloy
-contact	Gold-plated copper alloy
-Insulating material	Thermosets
-Sealing element	Rubber
Mechanical properties	
-Vibration	frequency 10~2000Hz, accelerated speed 147m/s ² , instant break $\leq 1\mu\text{s}$
-Shock	accelerated speed 490m/s ² , instant break $\leq 1\mu\text{s}$
-Mechanical working life	≥ 500
-Lock mode	Thread locking
-Cable and outlet diameter	$\Phi 12.5\text{mm}$
Environmental performance	
-Relative humidity	90%~95% (40°C $\pm 2^\circ\text{C}$)
-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 $\leq 1\text{m}\Omega$
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

Tools

Crimping tool



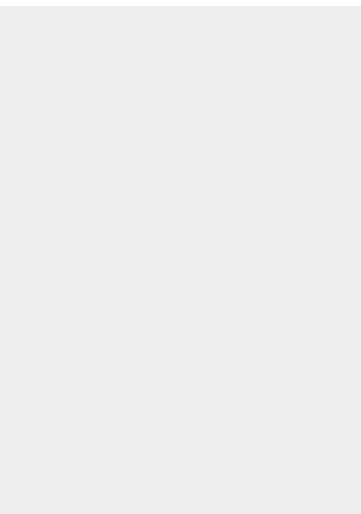
Contact removal tool



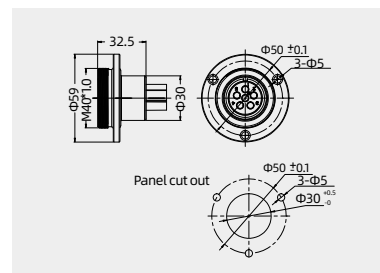
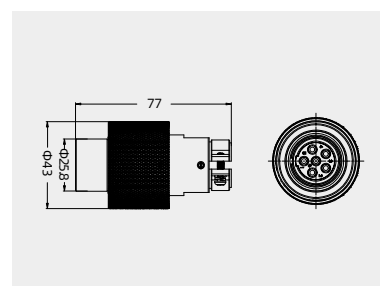
Wire gauge	Designation	Order No.
0.14-4mm ²	TL02G	198 002 000 0011

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.



power



NO.	Identification	$\Phi A/\text{mm}$	$\Phi B/\text{mm}$	Wire gauge
①	no groove	1.15	2.60	0.5 mm ² AWG20
②	1 groove	1.30	2.60	0.75 mm ² AWG18
③	1 groove	1.45	2.60	1.0mm ² AWG18
④	2 groove	1.75	3.00	1.5 mm ² AWG16
⑤	3 groove	2.25	3.50	2.5 mm ² AWG14
⑥	2 groove	2.55	3.75	3.0mm ² AWG12