Power connector

250V 40A

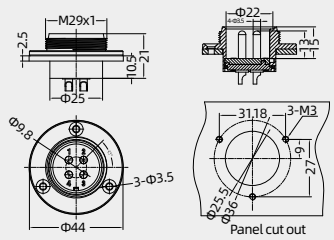
Technical characteristics

Specifications	
Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	
Electrical data	
Number of contacts	4
Electrical properties	
-Rated current	40A
-Rated voltage	250V（AC）
-Rated impulse voltage	2kV（AC）
-Insulation resistance	⩾ 2000MΩ(normal temperature)
-Welding wire specifications	plugs 2.0mm2~3.3mm2(Φ2.2mm) socket 2.0mm2~4mm2(Φ2.7mm)
-Contact resistance	⩽ 0.75mΩ
Material and finish	
-Hoods/Housings	The copper alloy plating nickel
-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	10.5mm
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

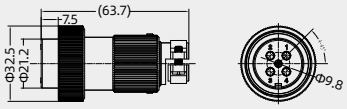
Solder terminal

Insert	Designation	Order No.
Male	HY-Z2504-S01E0-GM	169 004 313 1001

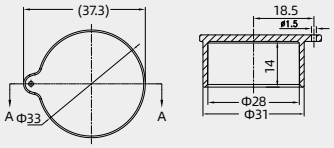


Solder terminal

Insert	Designation	Order No.
Female	HY-T2504-S01E1-GF	169 004 423 1001



Accessories

Protection cover

Description	Designation	Order No.
for male	HY-Z25-CV	269 000 000 9001