Features

- Circular DC
- Field Installable
- Pin 2.5mm Diameter
- Used in automotive, marine, solar, industrial.

RS PRO DC Power Connectors

RS Stock No.: 0707061



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

DC panel mounts are components used to securely connect and manage direct current (DC) power through panels or enclosures. Designed for reliability and ease of integration, many feature field-installable connectors—allowing quick, tool-assisted assembly and maintenance directly in the field without the need for factory pre-termination. These mounts provide safe, organized access points for power distribution in systems such as vehicles, solar installations, and industrial equipment. They ensure stable connections, reduce wire strain, and simplify system upgrades or repairs. In solar setups, they connect panels to controllers or batteries; in vehicles, they power accessories like lights and radios. Their rugged construction, flexibility in installation, and compatibility with standard devices make them indispensable for efficient and adaptable DC power management.

General Specifications

Body Orientation	Straight
Contact Material	Copper Alloy
Housing Material	Thermoplastic
Contact Plating	Nickel
Contact Gender	Male (Pin)
Shield Option	Unshielded

Electrical Specifications

Current Rating	7.0A
Contact Resistance	50mΩ at 10mA Max.
Insulation Resistance	DC500V±10%, test for 1 minute and the insulation resistance should be more than 100MΩ
Dielectric Withstand	500 V DC/AC peak, contact-to-contact. for 1 minute.
Termination Style	Cable-End Screw

Mechanical Specifications

Pin Diameter	2.5mm
Mounting Type	Field Installable

Wire AWG	17 – 20 AWG

Operation Environment Specifications

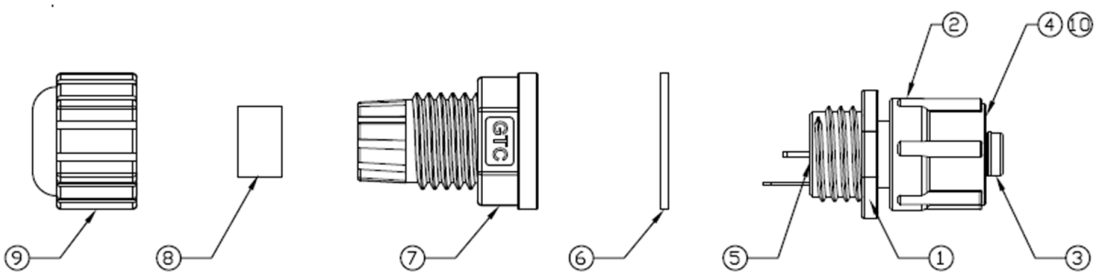
Maximum Operating Temperature	80℃
Minimum Operating Temperature	-40℃

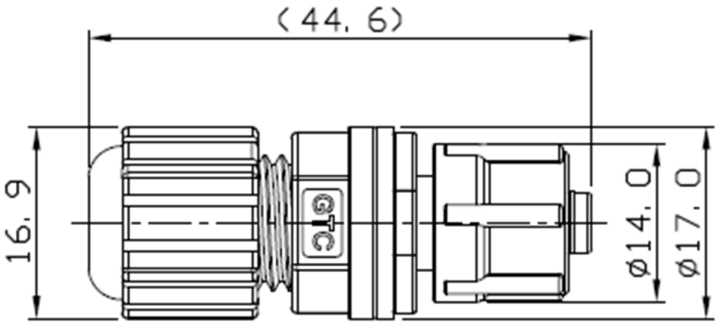
Protection Category

IP Rating	IP67

Approvals

Compliance/Certifications	RoHS / REACH





Item	Part Name	Material/Finish	Q'ty
1	Housing	Thermal Plastic Color: Black	1
2	Screw Nut	Thermal Plastic Color: Black	1
3	DC Plug	Insulator: Thermal Plastic Color: Black	1
		Neg. Terminal: Copper Alloy Finish: Ni Plated	1
		Pos. Terminal: Copper Alloy Finish: Ni Plated	1
4	O-Ring	Silicone Black: Red	1
5	Glue	Epoxy Color: Black	
6	Gasket	EPDM Color: Black	1
7	Cover	Thermal Plastic Color: Black	1
8	Gland	NBR Color: Black	1
9	Gland Nut	Thermal Plastic Color: Black	1
10	C-Ring	SWB Finish: Zn Plated	1

Parameters	Stock#	Stock#	Stock#
Brand	RS PRO	RS PRO	RS PRO
RS Article Number	**0707059**	**0707062**	**0707063**
DC Power Connector Type	Panel Mount	Panel Mount	Field Installable
Body Orientation	Straight	Straight	Straight
Housing Material	Thermoplastic	Thermoplastic	Thermoplastic
Current Rating	7.0A	3.0A	3.0A
Pin Diameter	2.5mm	2.0mm	2.0mm