



WRS4P45DC Rotary Isolator Switch Data Sheet

Description

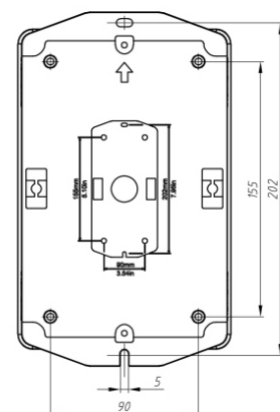
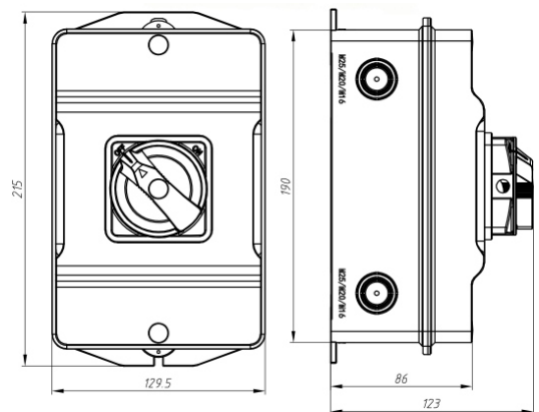
WRS4P45DC DC rotary isolator is manufactured from tough and durable thermoplastic, it is built to withstand even the harshest weather conditions, providing maximum reliability and longevity. They allow firefighters to operate without risk of electrocution. WRS32DC-GL is manufactured from tough and durable thermoplastic, it is built to withstand even the harshest weather conditions, providing maximum reliability and longevity. Specifically designed for solar applications, this switch offers unparalleled performance and reliability.

Features

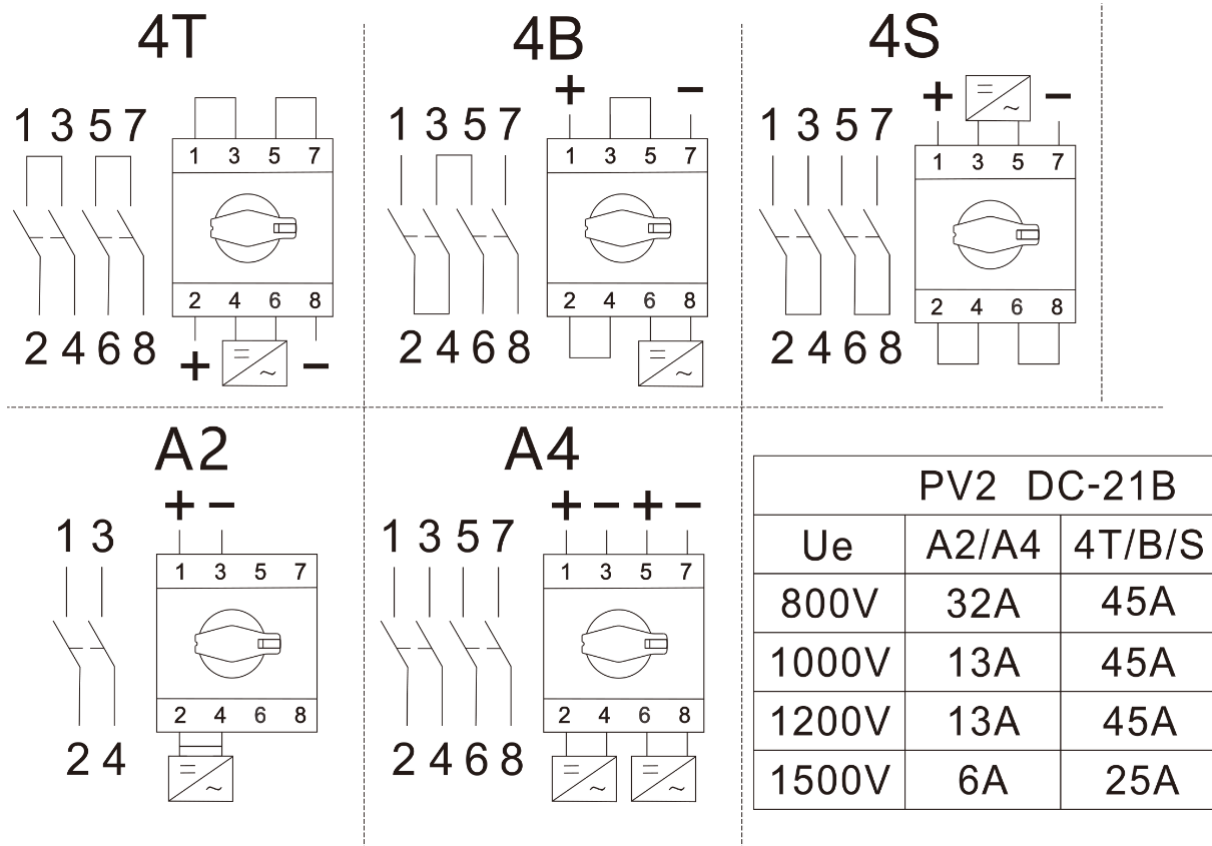
- IP66 weatherproof rating
- Silver Plated Alloy Contacts for High Reliability
- Interlocked front cover can only be removed when in OFF position.
- Highly Visible & Robust Housing
- Polycarbonate UL94V-0 Flame Retardant
- UV Protection
- Superior seal, 2 screws design
- Captive Retained Cover Screws
- can be locked in the off position using a padlock (not supplied)
- Complies with BS EN 60947-3

Technical Data

Rated insulation voltage U_i	1500V
Rated operational voltage U_e	1000Vdc
Rated operational current I_{the}	45A
Rated impulse withstand voltage U_{imp}	8000V
Rated short-circuit making capacity I_{cw}	1000A, 1s
Max. fuse size	80A gL(gG)
Maximum cable section (incl.jumper)	
Solid	4-25 mm ²
Flexible	4-16mm ²
Flexible (+multicore cable end)	4-16mm ²
Torque	
Tightening torque terminal screws	3.0-4.0 Nm
Tightening torque shell mounting screws	1.5-2.0 Nm
Tightening torque knob screws M3	0.5-0.7 Nm
Switching on or off Torque	0.9-1.3 Nm
The Earth terminal	1.5-2.0 Nm
General parameters	
Knob Positions	10:30 o'clock, OFF 13:30 o'clock, ON
Electrical Life	1000 Cycles
Mechanical Life	10000 Cycles
Utilisation category	DC21A
Operation temperature	-40 to +70 °C
Storage temperature	-40 to +85 °C
Pollution degree	3
Overvoltage category	III
IP rating of shafting and mounting screws	IP66



DC switch disconnecter for photovoltaic wiring diagram

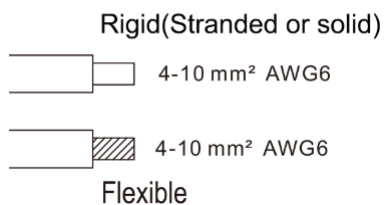


Instructions for installation and Operation

The switch with a box is suitable for outdoor use, the solar at 40 °C=45A, the solar at 60 °C=40A.

Please note that all connections(including busbar) must be tightened securely before energising.

Cable cross sections



Screwdriver, Tightening torque



M6



3.0-4.0Nm

Mounting type	Enclosure (IP66NW)	Vertically or horizontally
	Switch body (IP20)	Vertically ↑↑