



DC Rotary Isolator Data Sheet

Description and Features

WRS4P32DC 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. Specifically designed for solar applications, this switch offers unparalleled performance and reliability.

Main Features

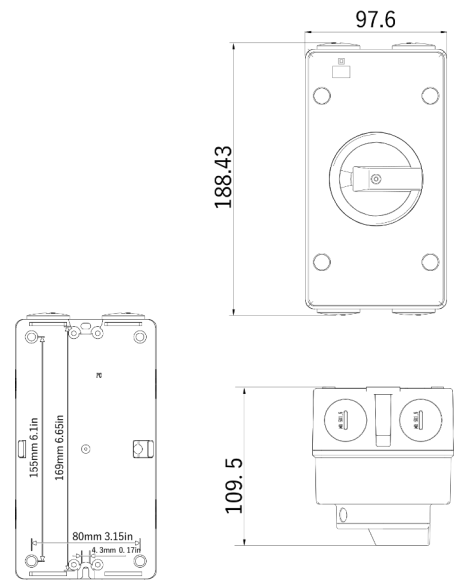
- IP66 weatherproof rating
- Silver Plated Alloy Contacts for High Reliability
- Interlocked front cover can only be removed when in OFF position.
- Highly Visible & Robust Housing
- Polycarbonate UL94V-0 Flame Retardant
- UV Protection
- Superior seal, 4 screw design
- Captive Retained Cover Screws
- can be locked in the off position using a padlock (not supplied)
- Complies with BS EN 60947-3

Technical Data

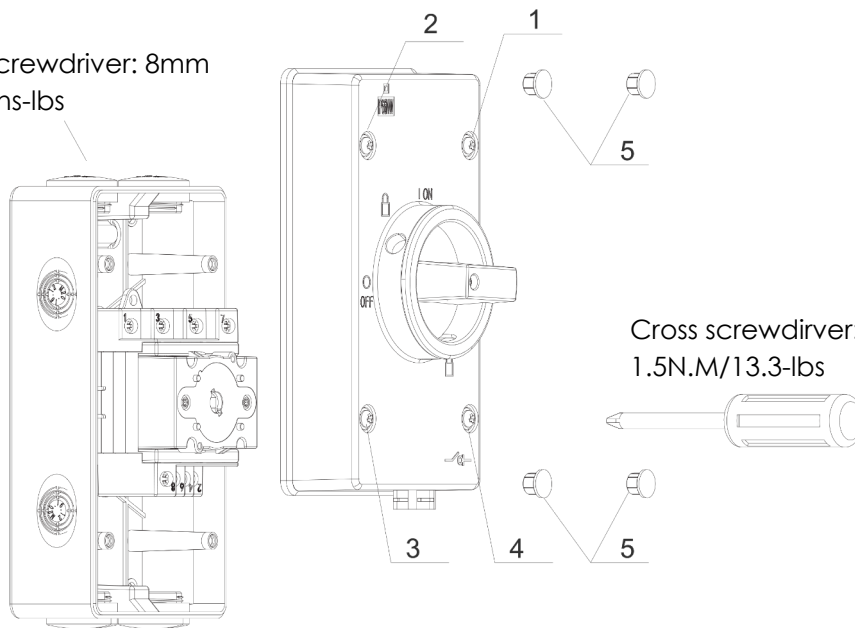
Main Parameters	
Rated insulation voltage U_i	1500V
Rated operational voltage U_e	1000Vdc
Rated thermal current I_{the}	32A
Rated impulse withstand voltage U_{imp}	8000V
Rated short-circuit making capacity I_{cw}	1000A, 1s
Max. fuse size	80A gL(gG)
Maximum cable section (incl.jumper)	
Solid	4-16 mm ²
Flexible	4-16 mm ²
Flexible (+multicore cable end)	4-16 mm ²
Torque	
Tightening torque terminal screws M4.	1.2-1.8 Nm
Tightening torque shell mounting screws ST4.2 (304 stainless steel)	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 wiring Torque on Base	1.1-1.4 Nm
General parameters	
Knob Positions	9 o'clock, OFF 12 o'clock, ON
Electrical Life	3000 Cycles
Mechanical Life	10000 Cycles
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



WRS4P32DC



Flat head screwdriver: 8mm
0.2N.M/1.8ins-lbs



- Be sure number (1,3,5,7) on switch and 'IP66NW' on cover are not inverted
- Rotate handle to the "off" position and locate shaft into switch body.
- Tighten screw 1,3,2,4 IN THAT ORDER
- Make sure that number '5' is assembled on cover

Instructions for installation and operation

The switch with a box is suitable for outdoor use, lthe solar at 40°C=32A, lthe solar at 60°=29A

Please note, that all connections (including bridging link connections) should be tightened before powering up.

Cable cross sections

Rigid(Stranded or solid)



Flexible

Screwdriver tightening torque



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

DC switch disconnecter for
photovoltaic wiring diagram

Switching examples

