EUROPA

Data Sheet
EDS2219-001

This document must be retained for future reference.

It is the responsibility of the person installing the electrical equipment to ensure that the installation meets the requirements of the IET wiring regulations and is therefore 'fit for purpose'. Factors such as correct selection of components, cable sizing, protective devices and Earth bonding are all critical and should be checked prior to full testing and power-up. Any other regulations applicable to the equipment being installed such as the Machinery Directive and current health and safety legislation must also be adhered to.

All connections (including factory made) must be checked for the correct tightness prior to commissioning of the electrical installation.
All connections should also be inspected periodically to ensure correct tightness.

DO NOT USE POWER TOOLS ON THESE PRODUCTS

Saturn DC Isolators

20, 25 and 32A 4 Pole



Anthracite (AN)



Grey (G)

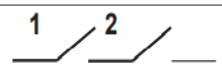
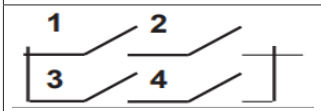
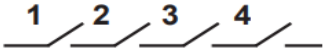
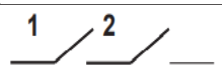
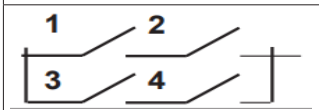
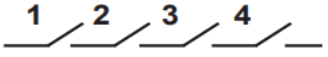
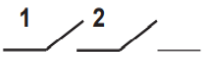
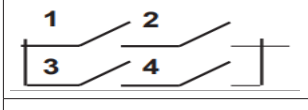
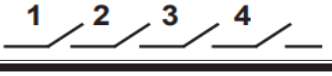
Applications

- Photovoltaic - Isolators
- Inverter Applications
- DC Solar Pumps

Features

- Available in anthracite and grey enclosure with grey and black handle.
- Larger enclosure size.
- IP66 rated enclosure.
- Robust polycarbonate enclosure: 960^0 flammability rated (IEC 60695-2-11), UV resistant, halogen free, and lower smoke generation.
- Interlocked rotary switch padlockable in the OFF position, with up to three padlocks.
- Multiple top, bottom and rear cable entry options.
- Excellent switching and high short circuit capacity.
- Retained screws on lid.
- Wiping contacts.

DC Isolators Rating Table

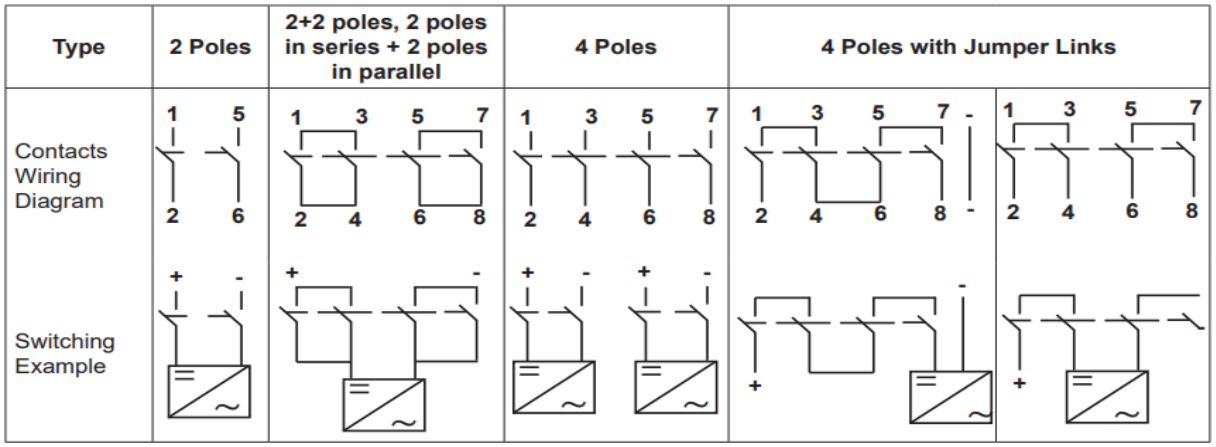
Type	Configuration		IEC Rating 60947-3- DC21B & DC PV2			
			500V	700V	1000V	1500V
SAT-ISDC204G SAT-ISDC204AN		2 Poles in series	16	16	-	-
		2 Poles in series + 2 Parallel	55	25	12	3
		4 Poles in series	25	25	25	20
SAT-ISDC254G SAT-ISDC254AN		2 Poles in series	20	20	-	-
		2 Poles in series + 2 Parallel	63	32	16	4
		4 Poles in series	32	32	32	25
SAT-ISDC324G SAT-ISDC324AN		2 Poles in series	25	25	-	-
		2 Poles in series + 2 Parallel	72	35	20	6
		4 Poles in series	40	40	40	32

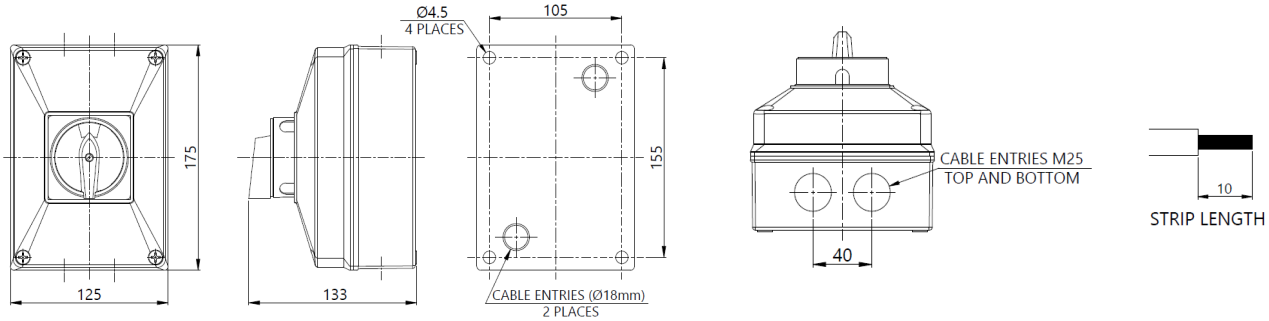
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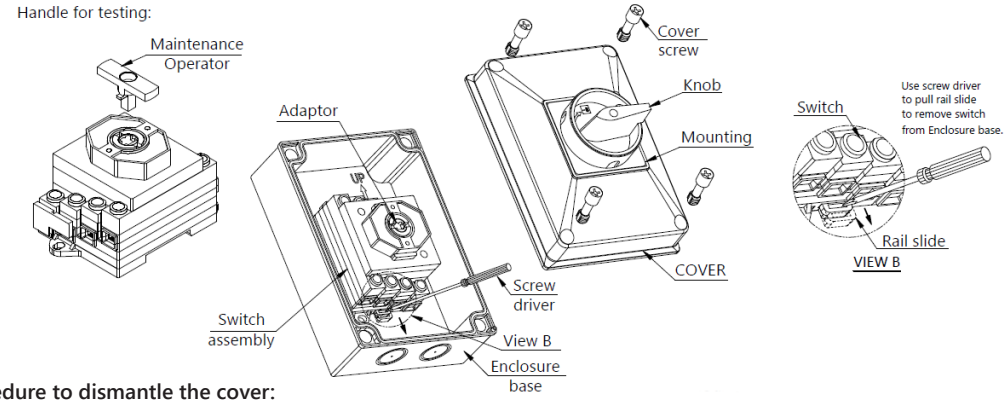
Saturn Isolator

20, 25 and 32A 4 Pole

Switching Configurations - Examples







Procedure to dismantle the cover:

- Ensure the switch is in the OFF position
- Unscrew the cover screws and remove the cover
- For easy wiring, the switch can be removed from the base and then clicked back into place once wiring is complete
- After wiring ensure the profile orientation of the actuating spindle and knob shaft are in the same position
- Replace the cover and take care not to overtighten the screws (maximum tightening torque 1.2Nm)
- Do not install using power driven screwdrivers

Please note: There is no need to remove the switch handle in order to remove the cover

Terminal Cross Section		Measure	SAT-ISDC204G SAT-ISDC204AN	SAT-ISDC254G SAT-ISDC254AN	SAT-ISDC324G SAT-ISDC324AN
Single / Multi Strand Wire	Min	mm^2	2.5	2.5	2.5
	Max	mm^2	10	10	16
Fine Strand Wire with Sleeve	Min	mm^2	0.75	0.75	2.5
	Max	mm^2	6	6	10
Recommended Tightening Torque for Terminals	-	Nm	1.7	1.7	2