Technical submittal

Title: PV - Isolator	
Document Number: ETS 021	**Revision:** P01
For Attention Of Pelikaan	
Description PV - Isolator	
Location 1st floor plant room	
Date for Approval 02-Mar-2023	

Industrial

DC Switch Disconnector for Photovoltaic

Specifications and Dimensions

DC isolator specifically designed to increase safety, while saving installation time and protecting your solar systems.

DC isolator with robust and aesthetically appealing UV resistant enclosure is recommended for all solar installations.

- UV Rated weather shield enclosure
- IP66 Protection
- Superior aesthetic design
- Hight temperature resistance
- Superior seal, 4 screw design
- Pad lock handle and enclosure
- Earth terminal

Part No:
ERSP324DC

For any further comments or assistance please contact:

eris-eu.com

Industrial

DC Switch Disconnector for Photovoltaic

Specifications and Dimensions

Specifications	
Type	ERSP324DC
Max. rated voltage	1000V
Max. rated current	32A
Available in pole versions	2 pole and 4 pole
Extremely short power shut off time	3m/s
Standard	IEC60947-3 DC-21B
Protection degree	IP66
Flammability	UL-94V0
Type of plastic	PC
Temperature range	-40°C ~ +120°C
UV and Chemical Resistance	ASTM D4459 of chromatism is ≤ 0.7 after 200h
Non-polarised	Compliance with AS/NZS 5033"2012 clause 4.3.5
Pollution degree	3
Suitability for isolation	Yes
Contact Material	Copper Plated silver with oxidation resistance
Capping Plugs for screws to ensure IP Rating after installation	4pcs

Specifications	
Padlockable handle	3 points
Measurement (L*W*H)	187.6*98.6*108.6mm
Terminals	Rising Clamp
Cable Size	4-16mm² with flexible or rigid
Terminal Screw size	M4
Terminal Screw torque	1.2-1.8 Nm
Jumpers supplied	3pcs insulated copper links
Contact	Knife Edge self cleaning
Torque required from operator	< 2 Nm
Uimp	8kV
Icm/Icw	1700A 1s / 1700A 1s
Insulation rating	1000V
Contact switching time	< 5m/s
Switching type	Operator Independant, rotary
Energy Loss @ Imax	0.016kW
Conduit entries	4*25mm threaded
Number of Screws on lid	4*304 stainless steel

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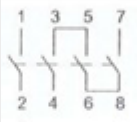
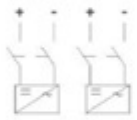
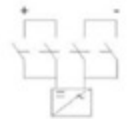
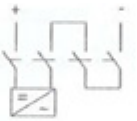
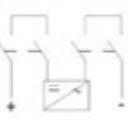
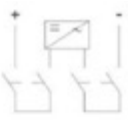
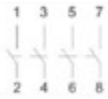
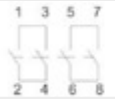
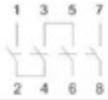
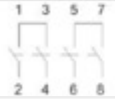
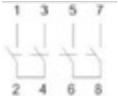
DC Switch Disconnector for Photovoltaic

Specifications and Dimensions

Switching Configurations

Type	4-Pole	2-Pole 4 Paralelled Poles	2-Pole with input on top output bottom	2-Pole with input and output bottom	2-Pole with input and output on top
ERSP324DC	4	4H	4S	4B	4T
Contact Wiring Graph					
Switching Example					

Technical Data

Contact Configuration	500V	600V	800V	1000V	Poles in Series	Number of Strings
	32A	13A	9A	9A	0	2
	32A	-	-	-	2	1
	32A	32A	32A	32A	3+1	1
	32A	32A	32A	32A	2+2	1
	32A	32A	32A	32A	2+2	1

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