

DC-Switch Disconnecter for Photovoltaic PEDS..16.., PEDS..25.., PEDS..32..

PROJOY electric

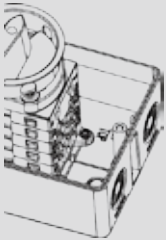


Wiring diagram / Switching examples

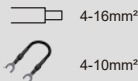
	...2	...3S	...2H	...4	...4S	...4T
PEDS16	...2	...3S	...2H	...4	...4S	...4T
PEDS25	...2	...3S	...2H	...4	...4S	...4T
PEDS32	...2	...3S	...2H	...4	...4S	...4T
Contacts						
Wiring Diagram						
Switching example						

	...4B	...6	...3H	...8	...4H
PEDS16	...4B	...6	...3H	...8	...4H
PEDS25	...4B	...6	...3H	...8	...4H
PEDS32	...4B	...6	...3H	...8	...4H
Contacts					
Wiring Diagram					
Switching example					

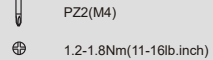
Enclosed switch-isolator



Cable Cross section



Screw driver, tightening Torque



Jumper for series and parallel switching of contacts


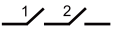
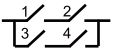
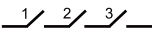
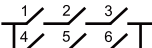
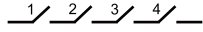
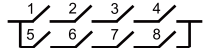
Type	A	B	C
	PEDS-J	PEDS-JL1	PEDS-JL2



Choose jumpers based on the mode of connection and availability requirements of your application.

1. Maximum ambient temperature 70°C.
2. Suitable as photovoltaic disconnect switch in accordance with article 690 of NFPA 70(NEC).
3. Use 75°C wires, 8-14 AWG(not included 8 AWG strand), Torque 1.2-1.8Nm.
4. Suitable for use on a circuit capable of delivering not more than 5KA amperes, 1000VDC maximum.

Technical Data

Main Contacts						
Rated thermal current I_{th}		A	16	25	32	
Rated insulation voltage U_i		VDC	1500	1500	1500	
Distance of contacts (per pole)		mm	8	8	8	
Rated operational current I_o						
DC-PV0/DC-PV1 L/R = 1ms	1 pole 	500V	A	9	11	13
		600V	A	6	8	10
		700V	A	4,5	6	7,5
		800V	A	3	4	5
		900V	A	2,5	3	4
		1000V	A	1,5	2	2,5
	2 pole in series (2 / 4 / 6 / 8) 	500V	A	16	25	32
		600V	A	16	25	32
		700V	A	16	23	27
		800V	A	16	20	23
		900V	A	13	16	20
		1000V	A	9	11	13
	2H 	1200V	A	6	8	10
		1500V	A	3	4	5
		500V	A	29	45	58
600V		A	29	45	50	
700V		A	16	23	27	
800V		A	16	20	23	
3 poles in series 	900V	A	13	16	20	
	1000V	A	9	11	13	
	1200V	A	6	8	10	
	1500V	A	3	4	5	
	500V	A	16	25	32	
	600V	A	16	25	32	
3H 	700V	A	16	25	32	
	800V	A	16	25	32	
	900V	A	16	25	32	
	1000V	A	16	25	32	
	1200V	A	12	14	16	
	1500V	A	9	11	13	
4 poles in series (4T, 4B, 4S) 	500V	A	29	45	58	
	600V	A	29	45	50	
	700V	A	29	38	45	
	800V	A	29	38	45	
	900V	A	29	38	45	
	1000V	A	29	38	45	
4H 	1200V	A	12	14	16	
	1500V	A	9	11	13	
	500V	A	16	25	32	
	600V	A	16	25	32	
	700V	A	16	25	32	
	800V	A	16	25	32	
	900V	A	16	25	32	
	1000V	A	16	25	32	
	1200V	A	16	25	32	
	1500V	A	16	20	23	
	500V	A	29	45	58	
	600V	A	29	45	58	
	700V	A	29	45	58	
	800V	A	29	45	58	
	900V	A	29	45	58	
	1000V	A	29	45	58	
	1200V	A	29	45	50	
	1500V	A	16	20	23	