PROJOY electric
– Switch To Safety! –

DC Isolator

PEDS16-55 Series (Reverse Contact)

Small volume

Flame retardant material

Arcing Short

Complete accessories

Multiple wiring

(16-32A)

Select Code

PEDS	150	a	–	b	X	c	–	Y
Projoy Electric DC Isolated Switch	Rated Insulation Voltage	Contact		Installation Method	Rated Current	Lock		Pole&Wiring
	1500Vdc	R: Reverse None: Front		HM PM	16 25 32 40 55	R: w/lock None: w/o lock L: PMR Type UL Version		2/3/4/6/8 4T/4B/4S

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Technical Parameter

Model			PEDS-16	PEDS-25	PEDS-32	PEDS-40	PEDS-55
Rated insulation voltage	Ui	V	1,500				
Rated thermal current	Ith	A	16	25	32	40	55
Rated impulse withstand voltage	Uimp	V	8,000				
Rated short-time withstand current (1s)	Icw	A	780				
Rated short-circuit making capacity	Icm	A	1,200				
Contact resistance		mΩ	≤3				
Insulation resistance		MΩ	≥50				
Maximum cable cross sections (incl. jumper)							
Solid or standard		mm²	4-6			4-16	
Torque							
Tightening torque terminal screws M4.		Nm	1.2-1.8				
Tightening torque single hole mounting nut M16		Nm	2.0-2.5				
Tightening torque knob screws M3		Nm	0.5-0.7				
Switching on or off torque		Nm	0.9-1.9				
Knob positions			OFF at 12 hr,ON at 3 hr; (OFF at 9 hr,ON at 12 hr optional)				
Mechanical life			10,000				
Electrical life / Operating frequency			300times / 120times/h				
Number of DC poles			2/3/4/6/8				
Distance of contacts (per pole)		mm	8				
Operation temperature		℃	-40 to +85				
Storage temperature		℃	-40 to +85				
Pollution degree			3				
Overvoltage category			Ⅱ				
IP rating of shafte and mounting nut			IP66				

Technical Parameter

Utilization category DC-PV1 IEC/EN 60947-3 GB/T 14048.3					Pole	No. of Strings	Part Number
600V	800V	1000V	1200V	1500V			
16	16	9	6	3	2/3/4/6/8	1/2/2/3/4	PEDS150a-b16c-2/3/4/6/8
25	22	11	8	4	2/3/4/6/8	1/2/2/3/4	PEDS150a-b25c-2/3/4/6/8
32	26	13	10	5	2/3/4/6/8	1/2/2/3/4	PEDS150a-b32c-2/3/4/6/8
40	30	20	15	13	2/3/4/6/8	1/2/2/3/4	PEDS150a-b40c-2/3/4/6/8
55	45	33	33	18	2/3/4/6/8	1/2/2/3/4	PEDS150a-b55c-2/3/4/6/8
16	16	16	16	16	4	1	PEDS150a-b16c-4S/4T/4B
25	25	25	25	20	4	1	PEDS150a-b25c-4S/4T/4B
32	32	32	32	23	4	1	PEDS150a-b32c-4S/4T/4B
40	40	40	32	23	4	1	PEDS150a-b40c-4S/4T/4B
55	55	55	40	32	4	1	PEDS150a-b55c-4S/4T/4B

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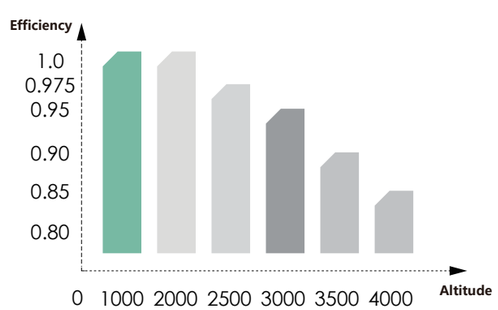
Technical Parameter

Utilization category DC-PV2 IEC/EN 60947-3 GB/T 14048.3						Pole	No. of Strings	Part Number
300V	600V	800V	1000V	1200V	1500V			
16	16	16	6	4	3	2/3/4/6/8	1/2/2/3/4	PEDS150a-b16c-2/3/4/6/8
25	25	20	8	6	4	2/3/4/6/8	1/2/2/3/4	PEDS150a-b25c-2/3/4/6/8
32	32	23	10	8	5	2/3/4/6/8	1/2/2/3/4	PEDS150a-b32c-2/3/4/6/8
40	40	30	20	15	10	2/3/4/6/8	1/2/2/3/4	PEDS150a-b40c-2/3/4/6/8
55	50	40	32	18	10	2/3/4/6/8	1/2/2/3/4	PEDS150a-b55c-2/3/4/6/8

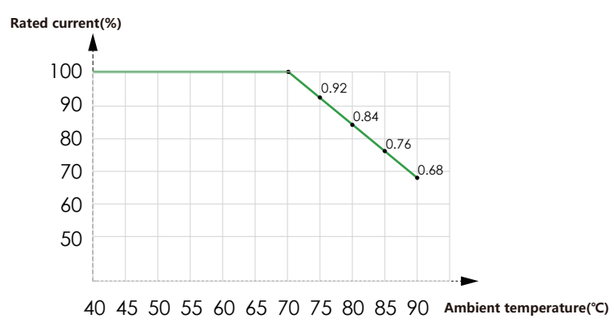
Data according to UL508I			Pole	No. of Strings	Part Number
600V	800V	1000V			
16	16	9	2/3/4/6/8	1/2/2/3/4	PEDS150a-b16c-2/4/6/8
25	20	11	2/3/4/6/8	1/2/2/3/4	PEDS150a-b25c-2/4/6/8
32	23	13	2/3/4/6/8	1/2/2/3/4	PEDS150a-b32c-2/4/6/8
16	16	16	4	1	PEDS150a-b16c-4S
25	25	25	4	1	PEDS150a-b25c-4S
32	32	32	4	1	PEDS150a-b32c-4S

Derating curve

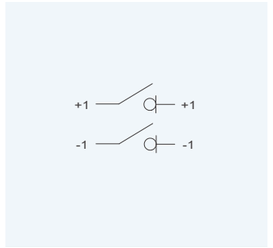
Altitude derating curve



Temperature derating curve



Schematic Diagram



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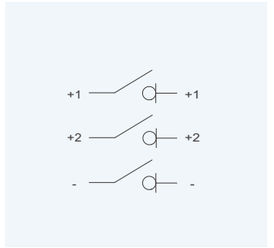

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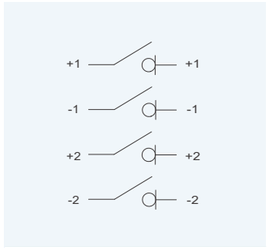

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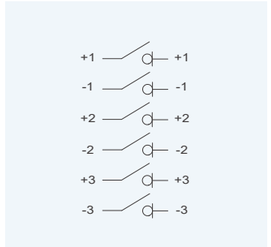

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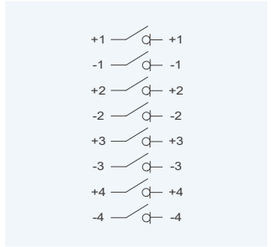

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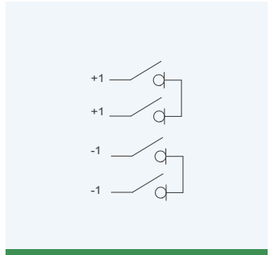
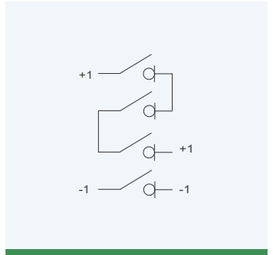
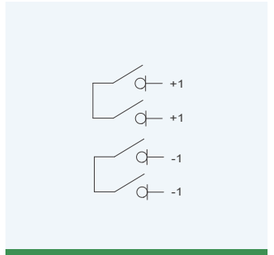


4T



4S

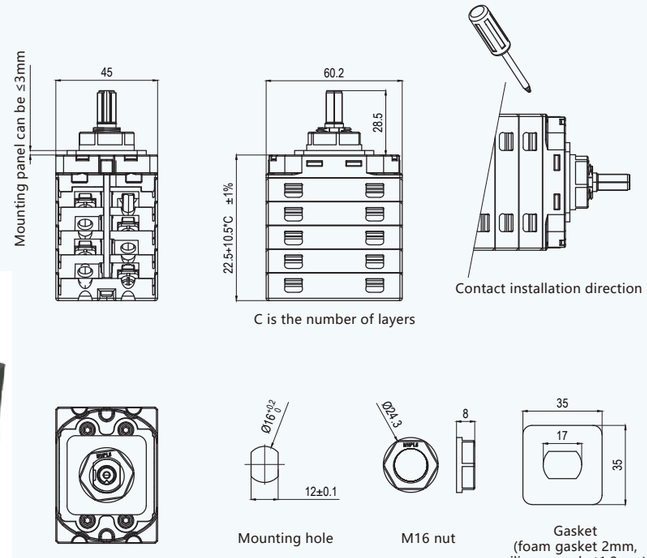


4B

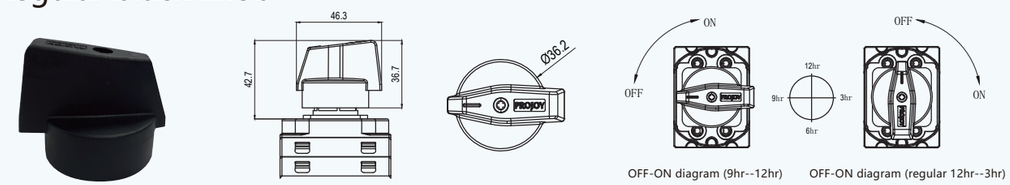
* The bottom floor of DB model is vacant

Dimensions

PEDS150R



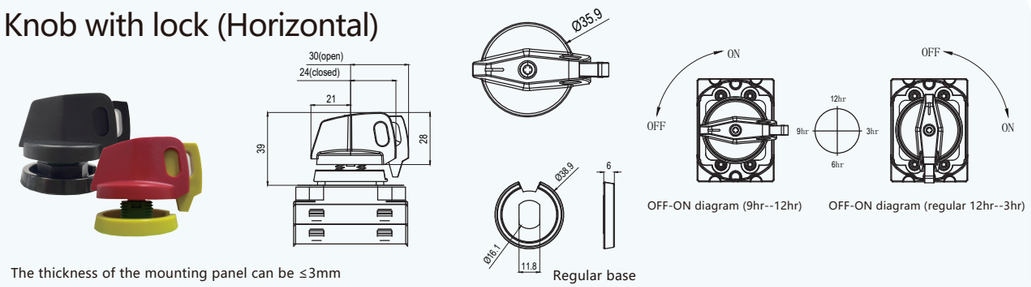
Regular black knob



The thickness of the mounting panel can be ≤3mm

OFF-ON diagram (9hr--12hr) OFF-ON diagram (regular 12hr--3hr)

Knob with lock (Horizontal)

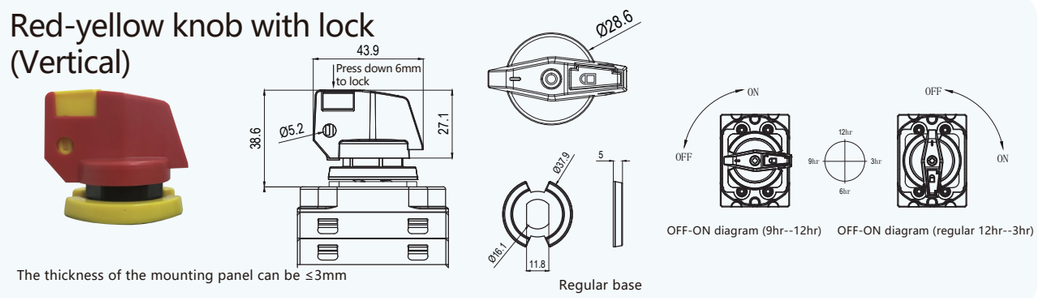


The thickness of the mounting panel can be ≤3mm

Regular base

OFF-ON diagram (9hr--12hr) OFF-ON diagram (regular 12hr--3hr)

Red-yellow knob with lock (Vertical)

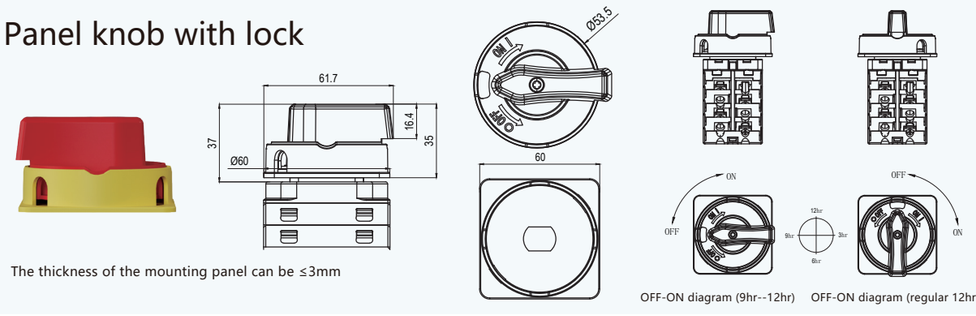


The thickness of the mounting panel can be ≤3mm

Regular base

OFF-ON diagram (9hr--12hr) OFF-ON diagram (regular 12hr--3hr)

Panel knob with lock



The thickness of the mounting panel can be ≤3mm

OFF-ON diagram (9hr--12hr) OFF-ON diagram (regular 12hr--3hr)