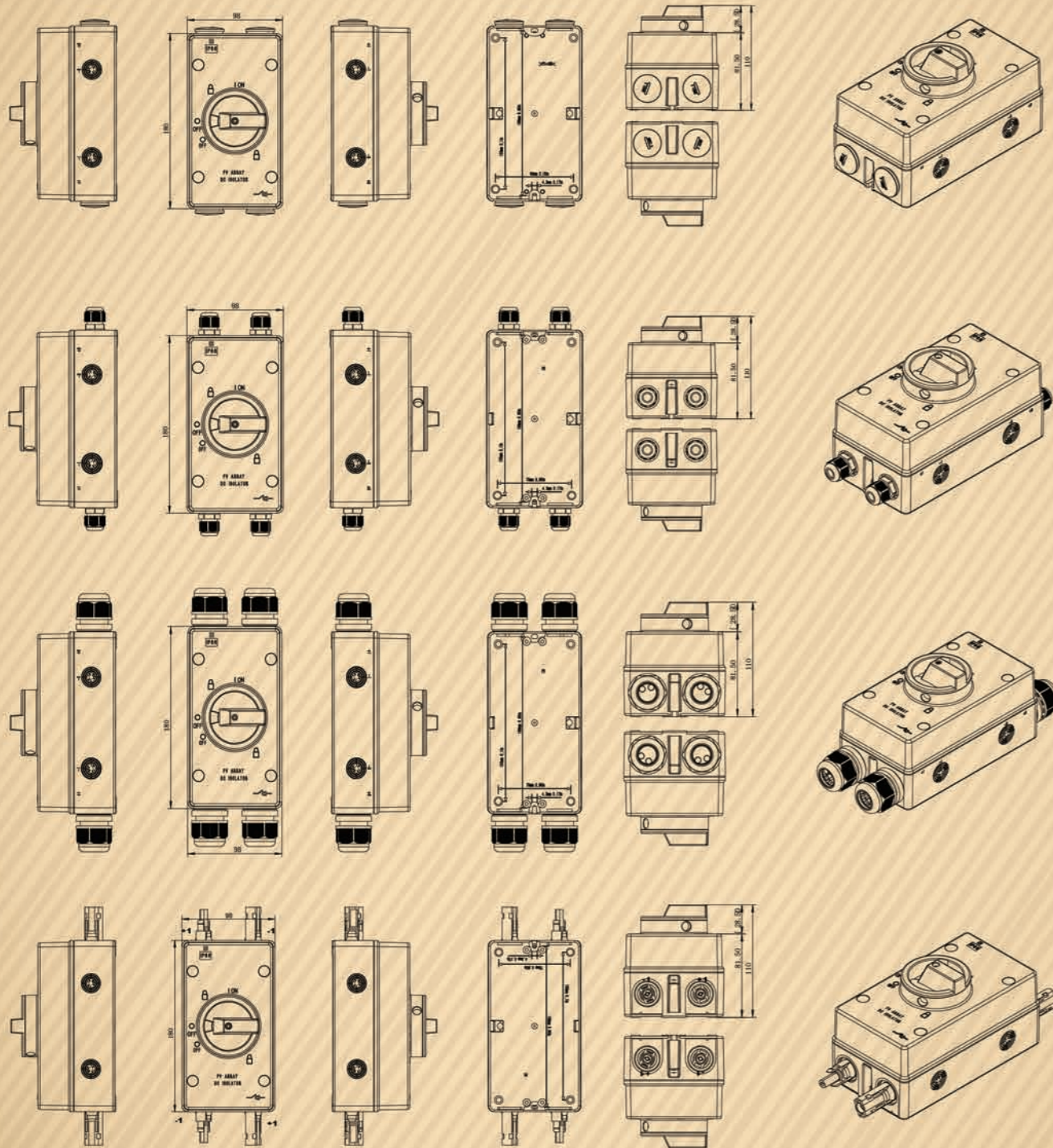


Dimensions



ENCLOSURE DC ISOLATOR

PEDS150-ELR-X



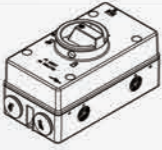
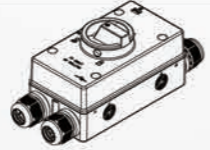
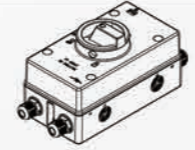
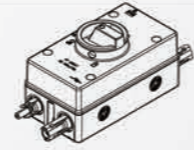


Product Features





1. IP66 box-type design
 - (1). Screw fixing doesn't interfere with the sealing performance;
 - (2). Multiple mechanical seals around the shaft guarantee the reliability of a waterproof and moisture-proof design;
 - (3). Stainless steel rotary screw does not rust nor damp;
 - (4). Standard cable interface available with seal rings;
 - (5). Internal sealing in top and bottom covers, combined with 2 screws, guarantee an IP66 protection degree;
2. SAFE-LOCK with three rotational positions, reducing the risk of tampering.
3. The isolator is compatible with various cables: M25, M20, M16, and M12, and with optional waterproof cable joints and MC4 joints.
4. Characteristics of the integration inside the on/of switch:
 - (1). Compact structure, with optional 2 or 4 DC poles;
 - (2). Incorporating a user independent switching action, spring mechanism, to ensure a very fast break/make action, ensuring that the disconnection of the load circuits and suppression of the arc normally occurs within 5ms.
 - (3). Self-cleaning contact mechanism, reducing power loss and abrasion, improving the conduction performance, reducing the resistance and energy loss of the switch, extending the on-off lifecycle.
 - (4). Double arc extinguishing mechanism, magnetic and arc chutes, restrain the arc efficiency, especially DC arcs.

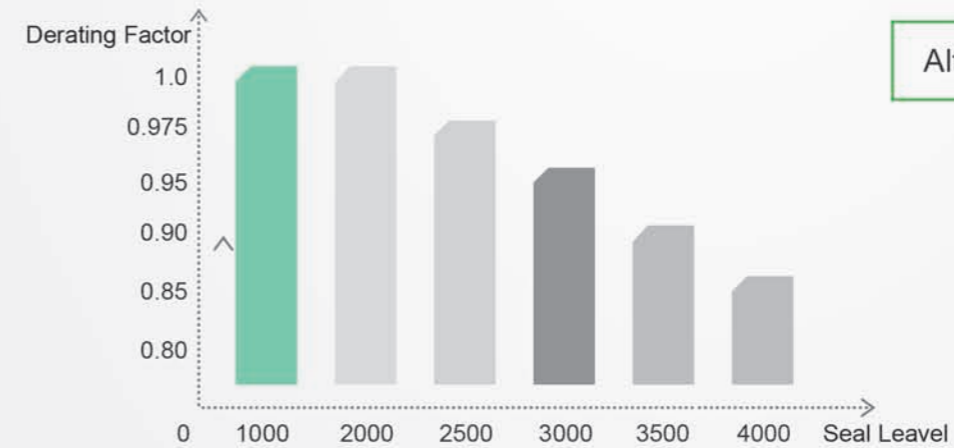
Technical data

Data according to IEC 60947-3,UL508i,GB14048.3. Utilization category DC-21A/DC-21B.

Main Parameters		Type	EL16	EL25	EL32
Rated insulation voltage	U_i	V	1500	1500	1500
Rated thermal current	I_{the}	A	16	25	32
rated impulse withstand voltage	U_{imp}	V	8000	8000	8000
rated short-circuit making capacity	I_{cm}	2H	1300	1500	1700
		2, 4	800	900	1000
		2H	1300	1500	1700
rated conditional short-circuit current	I_{cc}	A	5000	5000	5000
Max. fuse size	g_i (gG)	A	40	63	80
Maximum cable cross sections (incl. jumper)		A			
solid or standard		mm ²	4-16	4-16	4-16
flexible		mm ²	4-10	4-10	4-10
flexible (+ multicore cable end)		mm ²	4-10	4-10	4-10
Torque					
Tightening torque terminal screws M4.		Nm		1.2-1.3	
Tightening torque shell mounting screws ST4.2(304 stainless steel)		Nm		1.1-1.2	
Tightening torque single hole mounting nut M16		Nm		NA	
Tightening torque knob screws M3		Nm		0.5-0.7	
Switching on or off torque		Nm		0.9-1.3	
Power loss per switch Max.					
2		W	0.8	2	3
4		W	1.6	4	6
2H		W	0.4	1	1.5
4H 8		W	NA	NA	NA
General parameters					
method of mounting		Wall-mounted or screw installation			
type of knob		A	B		
					
knob positions		OFF at 9 hr, ON at 12 hr			
Mechanical life		10,000			
number of DC poles		2 or 4 (6/8 pole optional)			
Distance of contacts (per pole)	mm	8			
Operation temperature	°C	-40 to +70			
Storage temperature	°C	-40 to +85			
Pollution degree		2			
Overvoltage category		III			
IP rating of shafting and mounting screws		IP66			
Types	   				
Specs	M25 Waterproof Cap	Cable Gland M25	Cable Gland M16	MC4/H4/Tyco(Optional)	
Independent Strings	1 or 2	1 or 2	1	1	
Recommend Types	2/2H/4S or 4	2/2H/4S or 4	2/2H/4S	2/2H/4S	

Technical data

Data according to IEC 60947-3,UL508i,GB14048.3. Utilization category DC-21A/DC-21B.								Poles in series	No. of Strings	Part Number	Contact Configuration
500V	600V	700V	800V	900V	1000V	1200V	1500V				
16	16	16	16	13	13	6	3	2	1	PEDS150-EL16R-2	
25	25	23	20	16	16	8	4	2	1	PEDS150-EL25R-2	
32	32	27	23	20	20	10	5	2	1	PEDS150-EL32R-2	
29	29	16	16	13	13	6	3	2	1	PEDS150-EL16R-2H	
45	45	23	20	16	16	8	4	2	1	PEDS150-EL25R-2H	
58	50	27	23	20	20	10	5	2	1	PEDS150-EL32R-2H	
16	16	16	16	13	13	6	3	2	2	PEDS150-EL16R-4	
25	25	23	20	16	16	8	4	2	2	PEDS150-EL25R-4	
32	32	27	23	20	20	10	5	2	2	PEDS150-EL32R-4	
16	16	16	16	16	16	16	16	4	1	PEDS150-EL16R-4S	
25	25	25	25	25	25	25	20	4	1	PEDS150-EL25R-4S	
32	32	32	32	32	32	32	23	4	1	PEDS150-EL32R-4S	
16	16	16	16	16	16	16	16	4	1	PEDS150-EL16R-4T	
25	25	25	25	25	25	25	20	4	1	PEDS150-EL25R-4T	
32	32	32	32	32	32	32	23	4	1	PEDS150-EL32R-4T	
16	16	16	16	16	16	16	16	4	1	PEDS150-EL16R-4B	
25	25	25	25	25	25	25	20	4	1	PEDS150-EL25R-4B	
32	32	32	32	32	32	32	23	4	1	PEDS150-EL32R-4B	



Altitude Derating Curve