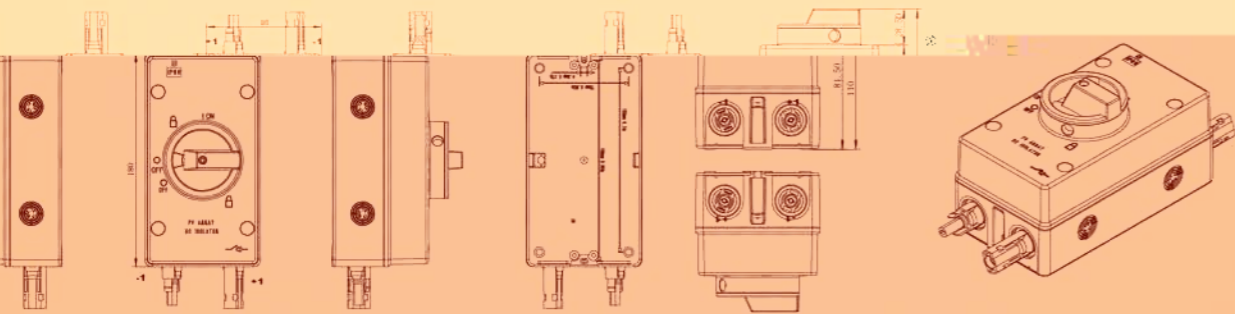
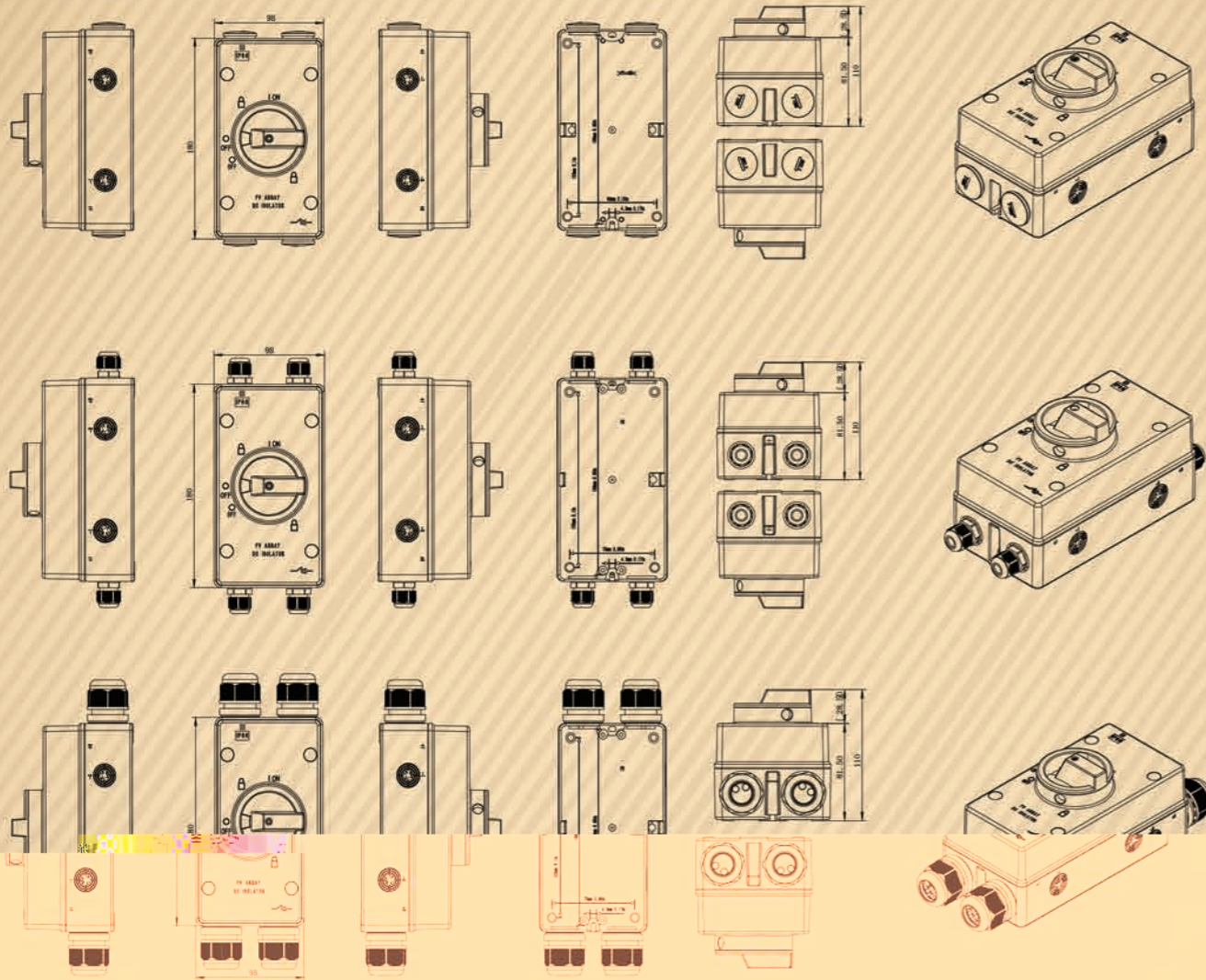


Dimensions



ENCLOSURE DC ISOLATOR

PEDS150-ELR-X-US




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 protectors available with seal rings;
  - (5) Internal wiring in top and bottom covers, combined with 2 screws, guarantees an IP66 protection degree.
2. SAFETY LOCK with three rotational positions, reducing the risk of ampering.
3. The handle is compatible with various cables: M25, M20, M16, and M12, and with optional waterproof cable joints and NCK pins.
4. Characteristics of the independent mode the on/off switch:
  - (1) Compact structure with optional 2 or 4 DC poles;
  - (2) Introducing a user-independent spring mechanism, to ensure a very fast break-make action, knowing that the disconnection of the load circuit and re-connection of the circuit 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 cycles;
  - (4) Double arc extinguishing mechanism, magnetic and arc chutes, to contain the arc efficiently, especially DC arcs.

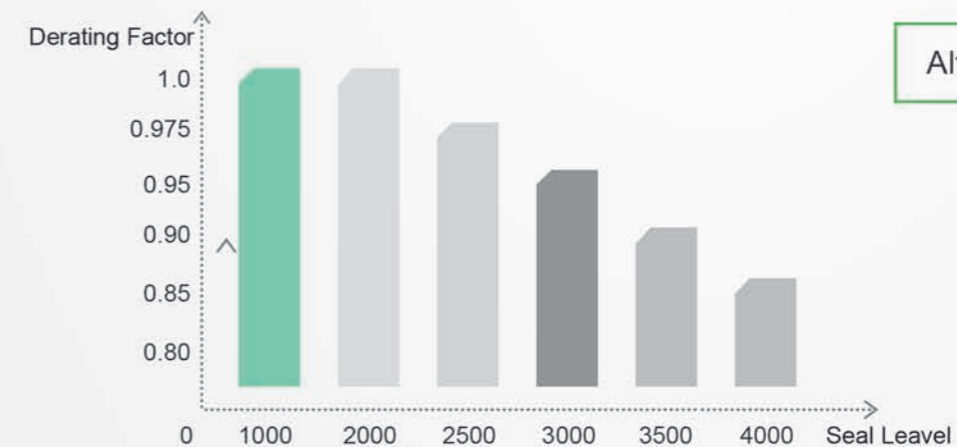
**Technical data**

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

Main Parameters		Type	EL16-US	EL25-US	EL32-US	
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	A	1300	1500	1700
		2, 4	A	800	900	1000
		2H	A	1300	1500	1700
rated conditional short-circuit current	$I_{cc}$	A	5000	5000	5000	
Max. fuse size	$g_t$ (gG)	A	40	63	80	
Maximum cable cross sections (incl. jumper)		A				
solid or standard		mm <sup>2</sup>	4-16	4-16	4-16	
flexible		mm <sup>2</sup>	4-10	4-10	4-10	
flexible (+ multicore cable end)		mm <sup>2</sup>	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-US	
25	25	23	20	16	16	8	4	2	1	PEDS150-EL25R-2-US	
32	32	27	23	20	20	10	5	2	1	PEDS150-EL32R-2-US	
29	29	16	16	13	13	6	3	2	1	PEDS150-EL16R-2H-US	
45	45	23	20	16	16	8	4	2	1	PEDS150-EL25R-2H-US	
58	50	27	23	20	20	10	5	2	1	PEDS150-EL32R-2H-US	
16	16	16	16	13	13	6	3	2	2	PEDS150-EL16R-4-US	
25	25	23	20	16	16	8	4	2	2	PEDS150-EL25R-4-US	
32	32	27	23	20	20	10	5	2	2	PEDS150-EL32R4-US	
16	16	16	16	16	16	16	16	4	1	PEDS150-EL16R-4S-US	
25	25	25	25	25	25	25	20	4	1	PEDS150-EL25R-4S-US	
32	32	32	32	32	32	32	23	4	1	PEDS150-EL32R-4S-US	
16	16	16	16	16	16	16	16	4	1	PEDS150-EL16R-4T-US	
25	25	25	25	25	25	25	20	4	1	PEDS150-EL25R-4T-US	
32	32	32	32	32	32	32	23	4	1	PEDS150-EL32R-4T-US	
16	16	16	16	16	16	16	16	4	1	PEDS150-EL16R-4B-US	
25	25	25	25	25	25	25	20	4	1	PEDS150-EL25R-4B-US	
32	32	32	32	32	32	32	23	4	1	PEDS150-EL32R-4B-US	



Altitude Derating Curve