

EKD6-DB32

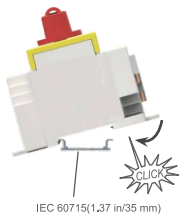
Enclosure DC Isolator

ET3K®

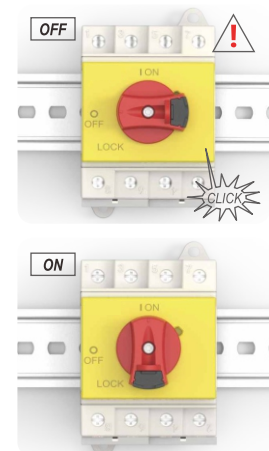
Standard_IEC60947-3

DISTRIBUTION BOARD DC ISOLATOR
Instructions for Installation and Operation

Top hat rail



Switching



Locking



Please note that all connections (including bridging link connections) should be tightening before energization.



Please read carefully before installation.

EKD6-DB32

Enclosure DC Isolator

ET3K®

Standard_IEC60947-3

DC Switch Disconnecter for Photovoltaics Wiring diagram

2P

5 7

6 8

4B

1 3 5 7

2 4 6 8

4P

1 3 5 7

2 4 6 8

4S

1 3 5 7

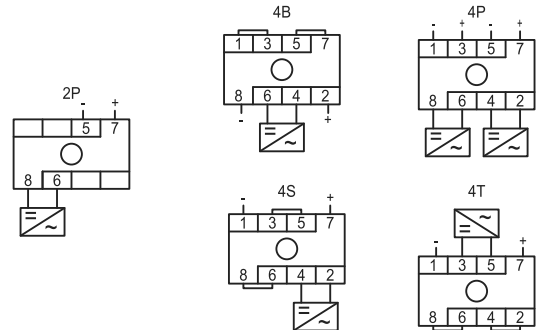
2 4 6 8

4T

1 3 5 7

2 4 6 8

Switching examples



Cable cross sections

Rigid (Stranded or solid)

4-16mm², AWG 11-5

Flexible

4-10mm², AWG 11-7

Screwdriver, Tightening torque



Mounting Type

Switch body (IP20)

Vertically ↑↑

EKD6-DB32

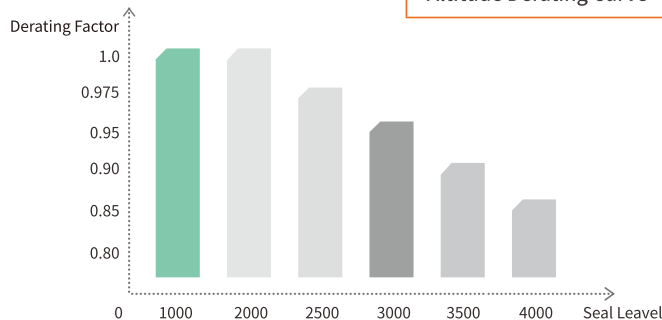
Enclosure DC Isolator

ET3K®

Standard_IEC60947-3

Data according to IEC60947-3(ed.3.2):2015,GB14048.3.								Series	No. of Strings	Part Number	Contact Configuration
500V	600V	700V	800V	900V	1000V	1200V	1500V				
32	32	32	32	23	16	13	7	2	1	EKD6-DB32-2	~1-~1 ~1-~1
58	58	58	45	23	16	13	7	4	1	EKD6-DB32-2H	~1-~1 ~1-~1
32	32	32	32	23	16	13	7	4	2	EKD6-DB32-4	~1-~1 ~1-~1 ~1-~1 ~1-~1
32	32	32	32	32	32	32	23	4	1	EKD6-DB32-4S	~1-~1 ~1-~1 ~1-~1 ~1-~1
32	32	32	32	32	32	32	23	4	1	EKD6-DB32-4B	~1-~1 ~1-~1 ~1-~1 ~1-~1
32	32	32	32	32	32	32	23	4	1	EKD6-DB32-4T	~1-~1 ~1-~1 ~1-~1 ~1-~1

Altitude Derating Curve



EKD6-DB32

Enclosure DC Isolator

ET3K®

Standard_IEC60947-3

Data according to IEC60947-3(ed.3.2):2015,UL508,GB14048.3. Utilization category DC-PV1 / DC-PV2.

Main Parameters		DB32	
Rated insulation voltage	U_i V	1500	
Rated thermal current	I_{th} A	32	
Rated impulse withstand voltage	U_{im} V	8000	
Rated short-circuit making capacity	I_{sc} A	2H	1700
		2, 4	1000
Rated conditional short-circuit current	I_{cc} A	2H	1700
		5000	
Max. fuse size	$g(gG)$ A	80	
Maximum cable cross sections (incl. jumper)			
Solid or standard	mm²	4-16	
Flexible	mm²	4-10	
Flexible (+ multicore cable end)	mm²	4-10	
Torque			
Tightening torque terminal screws M4	Nm	1.2-1.8	
Tightening torque knob screws M3	Nm	0.5-0.7	
Switching on or off torque	Nm	0.9-1.3	
General parameters			
Method of mounting		Single Hole Mounting	
Type of knob			
Knob positions		OFF at 9 hr, ON at 12 hr	
Mechanical life		10000	
Number of DC poles		2 or 4	
Operation temperature	°C	-40 to +70	
Storage temperature	°C	-40 to +85	
Pollution degree		2	
Overvoltage category		III	
IP rating of shafte and mounting nut		IP66	