

Usage Manual



Photovoltaic switch waterproof box

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Thank you for choosing EKD7 Series Photovoltaic switch waterproof box.
Please read this manual before installation, operation and maintenance.

STANDARD AND QUALITY CERTIFICATES



Each pole contact is equipped with an arc extinguishing system, which can immediately extinguish the arc when the switch is closed.

UV resistant IP66 shell

Very short power off time of about 2ms

The lid is removable only in the "off" position

Ground ground terminal

IEC60947-3, AS/NZS60947.3:2015

DC-PV1 DC-PV2 DC-21B

10A to 32A to DC1200V

Easy to install

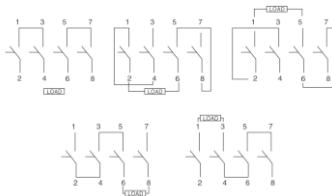
This product passes the IEC authorized Lab IP66 waterproof test. Our company will also conduct lake simulation tests from time to time, similar to the customer's use environment, to ensure that the product fully complies with the IP66 protection level.



Technical parameters

Rated voltage	1000VDC~1200VDC
IP rating	IP66
Connection type	M20 M25 MC4
Rated current	10A, 16A, 20A, 25A, 32A
Operating temperature	-25°C ~+85°C
Standard	IEC60947-3, AS/NZS60947.3:2015

Contact configuration



Contact configuration	600V	800V	1000V	1200V	Number of poles	Series connection	Model
	16A	16A	9A	9A	2	1	EKD7-EL16-2
	25A	20A	11A	11A	2	1	EKD7-EL25-2
	32A	23A	13A	13A	2	1	EKD7-EL32-2
	29A	16A	9A	9A	2	1	EKD7-EL16-2H
	45A	20A	11A	11A	2	1	EKD7-EL25-2H
	50A	23A	13A	13A	2	1	EKD7-EL32-2H
	16A	16A	9A	9A	2	2	EKD7-EL16-4
	25A	20A	11A	11A	2	2	EKD7-EL25-4
	32A	23A	13A	13A	2	2	EKD7-EL32-4
	16A	16A	16A	16A	4	1	EKD7-EL16-4S
	25A	25A	25A	25A	4	1	EKD7-EL25-4S
	32A	32A	32A	32A	4	1	EKD7-EL32-4S
	16A	16A	16A	16A	4	1	EKD7-EL16-4B
	25A	25A	25A	25A	4	1	EKD7-EL25-4B
	32A	32A	32A	32A	4	1	EKD7-EL32-4B
	16A	16A	16A	16A	4	1	EKD7-EL16-4T
	25A	25A	25A	25A	4	1	EKD7-EL25-4T
	32A	32A	32A	32A	4	1	EKD7-EL32-4T

Overall dimensions and mounting dimensions

Unit: mm

