INNOFLOW

Product overview

SOLAR ENERGY EQUIPMENT

DC Isolator Switch

IF-DIS32



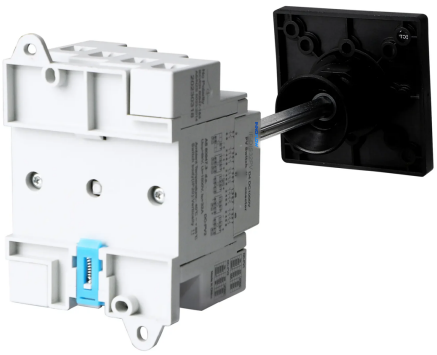
Product series reference. Match the model, capacity, voltage and mounting variant in the following tables and drawings to the selected configuration.

TECHNICAL OVERVIEW
Selected product data and drawings. This document is not an installation manual.

Product views



View 1



View 2



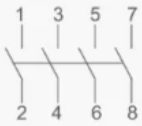
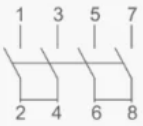
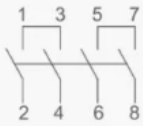
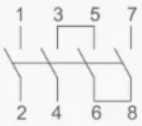
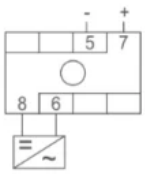
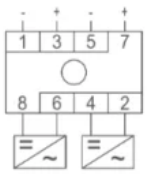
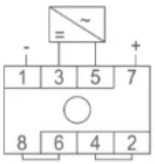
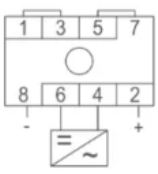
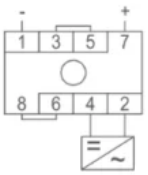
View 3



View 4

Technical reference

Wiring diagram

Type	2-Pole	4-Pole	4-Pole with Input and Output on top	4-Pole with Input and Output bottom	4-Pole with Input o top Output bottom
IF-DIS32 DC1000/ DC1200	2	4	4T	4B	4S
Contacts Wiring graph					
Switching example					

Series reference. Apply the capacity, mounting type and units shown in this figure.

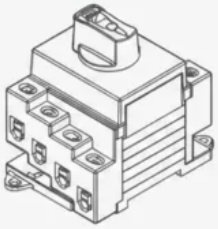
Technical reference

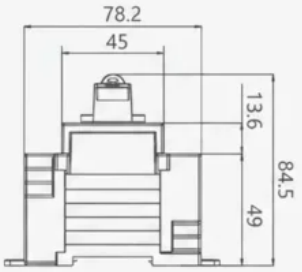
Overall and mounting dimensions(mm)

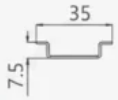
Din rail installation



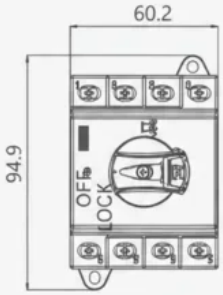
IF-DIS32XPV

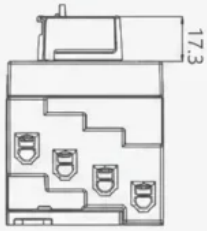


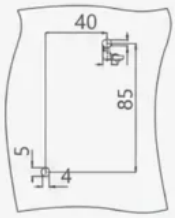




Installation size of switch bottom





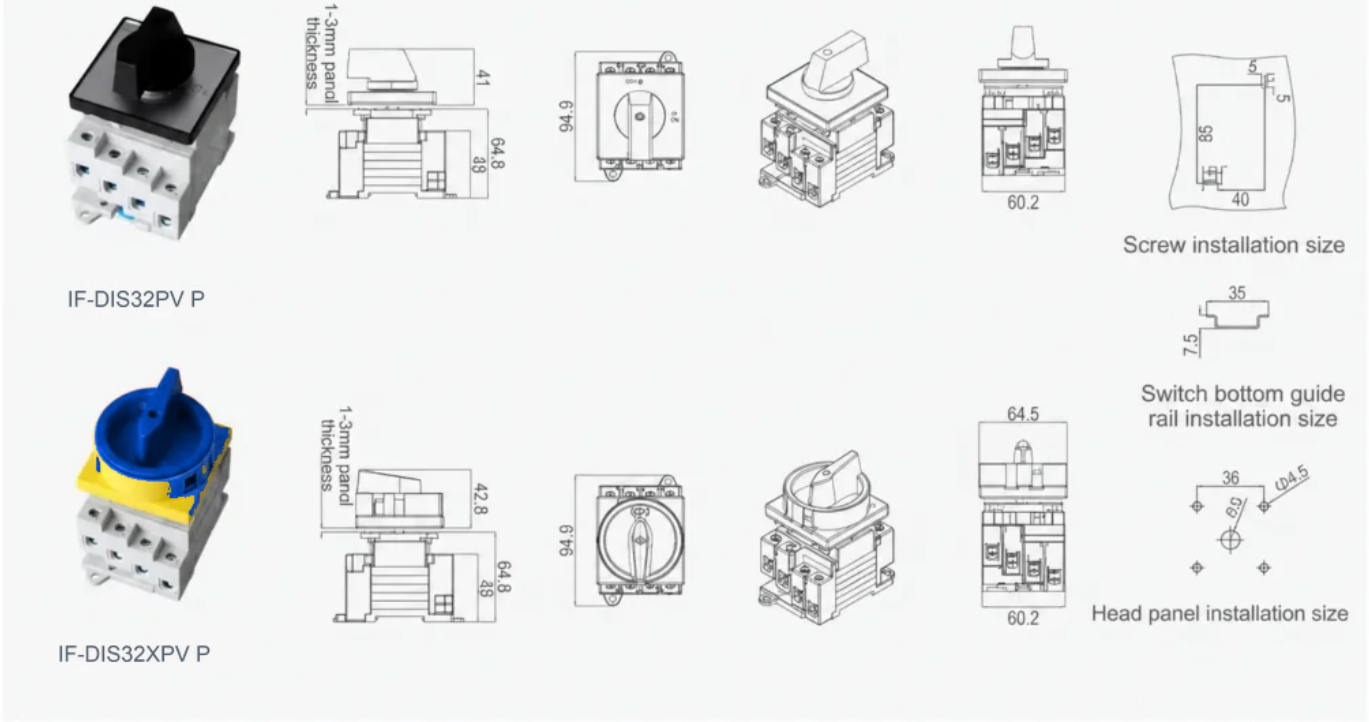


Screw installation size

Series reference. Apply the capacity, mounting type and units shown in this figure.

Technical reference

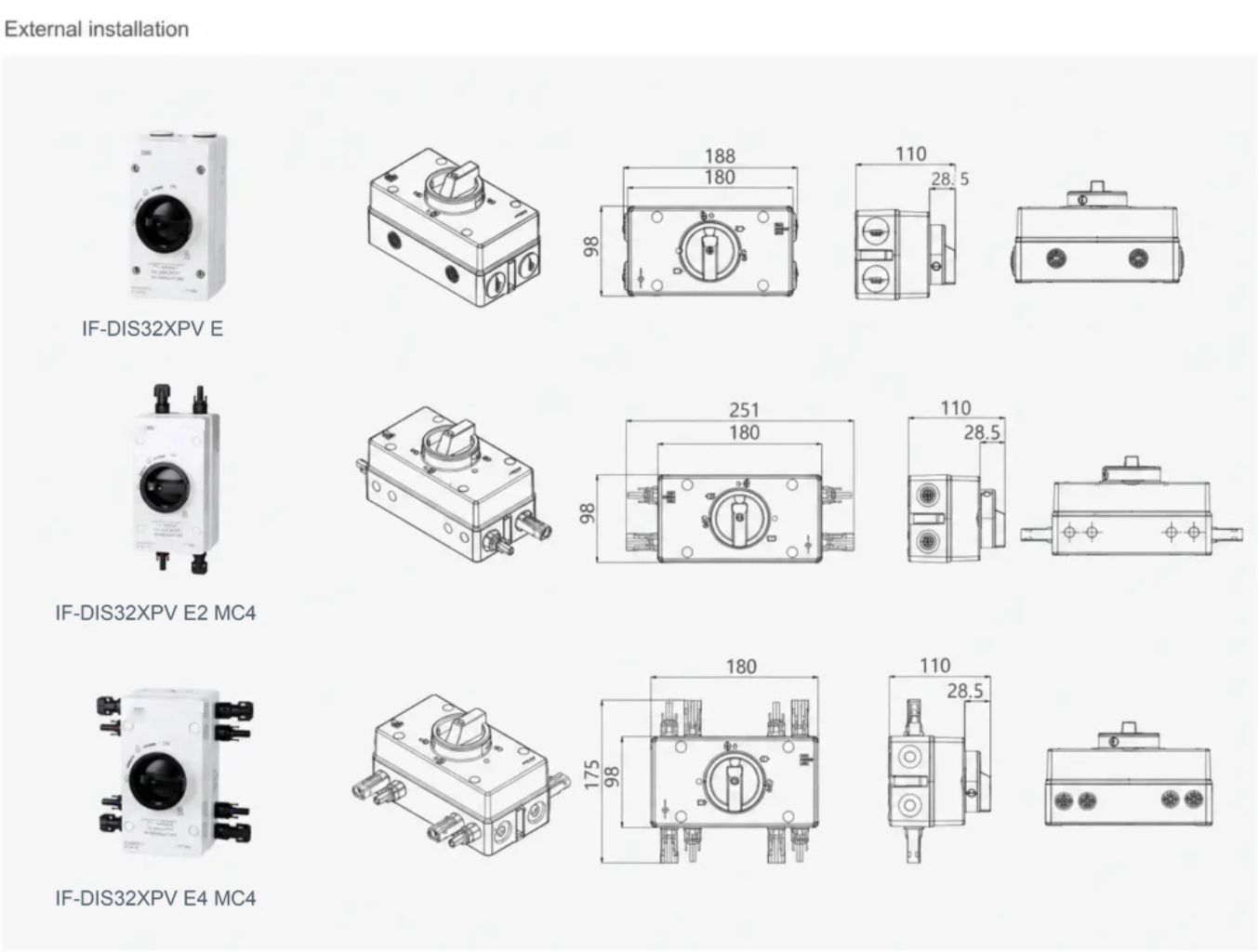
Panel installation



Series reference. Apply the capacity, mounting type and units shown in this figure.

Technical reference

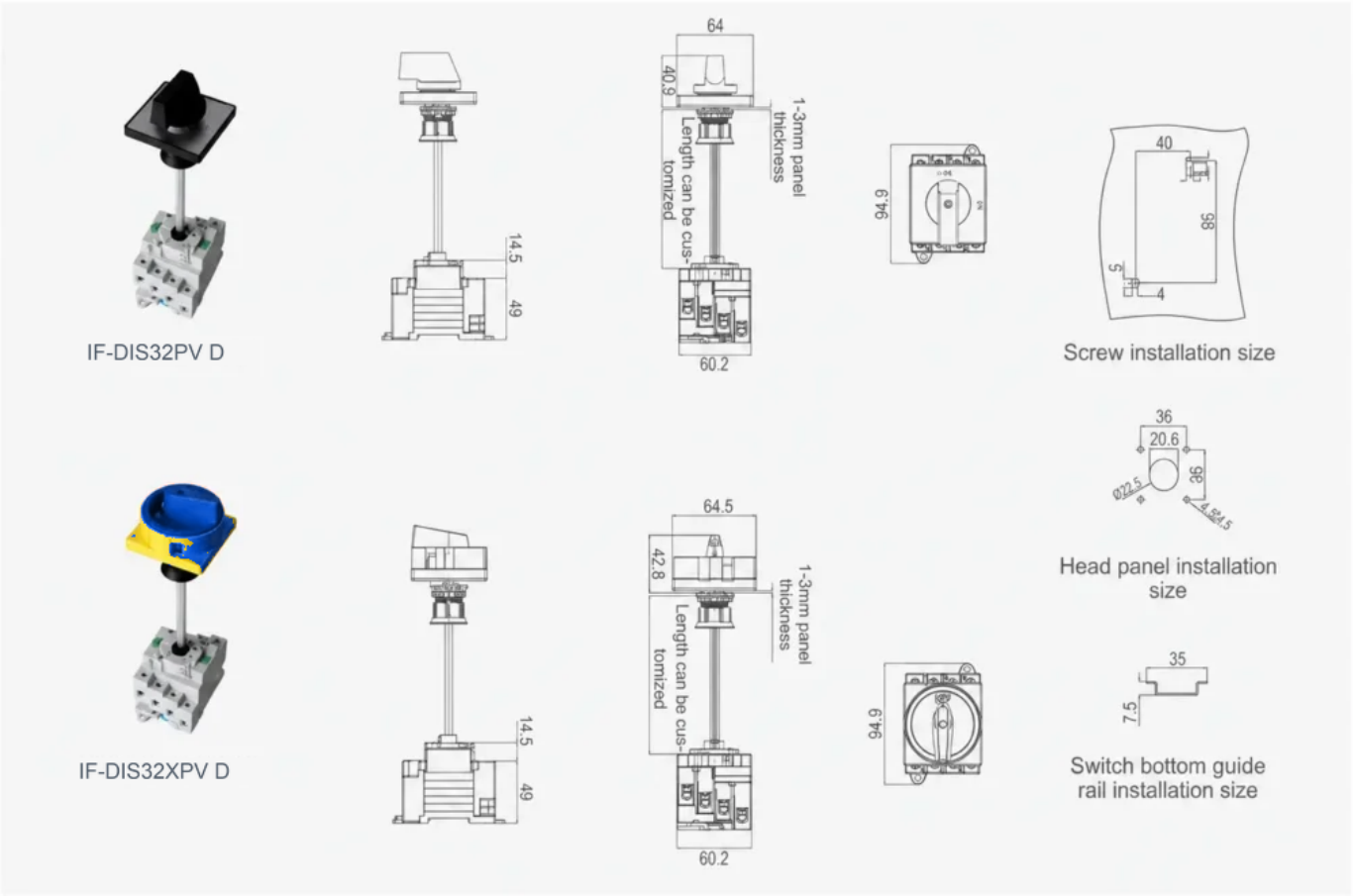
External installation



Series reference. Apply the capacity, mounting type and units shown in this figure.

Technical reference

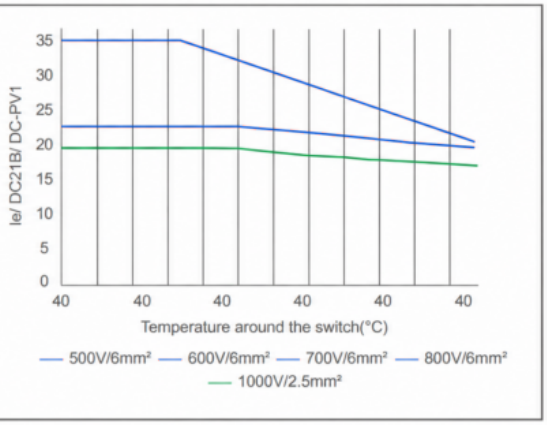
Door lock installation



Series reference. Apply the capacity, mounting type and units shown in this figure.

Technical reference

Type		
Number of poles		4-pole
Terminal name, main circuit		1; 3; 5; 7; 2; 4; 6; 8
Terminal type, main circuit		Screw terminal
Cable cross-section		4.0-16mm²
Conductor type		4-16mm (rigidity: solid or stranded)
		4-10mm Flexible
Number of wires per terminal		1
Preparation required for wire		Yes
Stripping length (mm), main circuit		8mm
Tightening torque (M4), main circuit		1.2~1.8N.m



Series reference. Apply the capacity, mounting type and units shown in this figure.

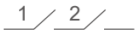
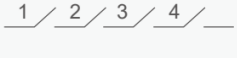
Switching capacity and utilization category

Current/Voltage category parameter table

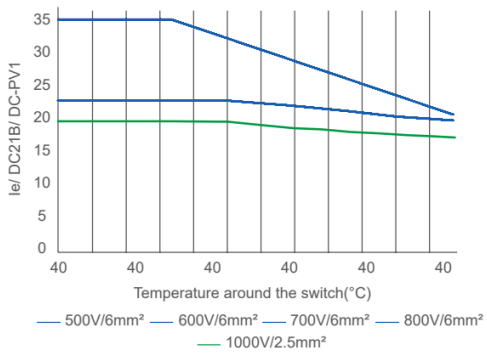
The following current data IEC/EN60947-3:2009+A1+A2, AS60947.3, use category DC-PV1, DC-PV2

Model	Series	Wiring method	300V		600V		800V		1000V		1200V	
			PV1	PV2	PV1	PV2	PV1	PV2	PV1	PV2	PV1	PV2
IF-DIS32XPV □2 DC1000	1	2	32	32	32	32	32	16	16	9	/	/
IF-DIS32XPV □2 DC1200	1		32	32	32	32	32	16	16	9	13	9
IF-DIS32XPV □4 DC1000	2	4	32	32	32	32	32	16	16	9	/	/
IF-DIS32XPV □4 DC1200	2		32	32	32	32	32	16	16	9	13	9
IF-DIS32XPV □4S DC1000	1	4S	32	32	32	32	32	32	32	32	/	/
IF-DIS32XPV □4S DC1200	1		32	32	32	32	32	32	32	32	32	32
IF-DIS32XPV □4B DC1000	1	4B	32	32	32	32	32	32	32	32	/	/
IF-DIS32XPV □4B DC1200	1		32	32	32	32	32	32	32	32	32	32
IF-DIS32XPV □4T DC1000	1	4T	32	32	32	32	32	32	32	32	/	/
IF-DIS32XPV □4T DC1200	1		32	32	32	32	32	32	32	32	32	32

Data comply with AS60947-3

Main contact	Voltage	DC1000	DC1200
Rated thermal current Ithe		32A	
Rated insulation voltage Ui		1500V	
Contact spacing (per pole)		8mm	
Rated working current Ie(DC-PV2)			
4 layers, only 2 layers in series, with two loads 	300V	32A	32A
	600V	32A	32A
	800V	16A	16A
	1000V	9A	9A
	1200V	/	9A
4 layers, 4 layers in series, one load 	300V	300V	32A
	600V	32A	32A
	800V	32A	32A
	1000V	32A	32A
	1200V	/	32A

Type		
Number of poles		4-pole
Terminal name, main circuit		1; 3; 5; 7; 2; 4; 6; 8
Terminal type, main circuit		Screw terminal
Cable cross-section		4.0-16mm²
Conductor type		4-16mm (rigidity: solid or stranded)
		4-10mm Flexible
Number of wires per terminal		1
Preparation required for wire		Yes
Stripping length (mm), main circuit		8mm
Tightening torque (M4), main circuit		1.2~1.8N.m



Values and units follow the identified source variant.