Solar PV System

Atways for your safety

SHANGHAI ASNON
ELECTRIC TECHNOLOGY CO.,LTD.

Always for your safety

anxele®

CB CE UKCA BV RoHS ISO9001

COMPANY INTRODUCTION

Shanghai Anson Electric Technolgy Co.,Ltd.(Abridge: Anson Electric) is a professional manufacturing company dedicated to the research, development, production and sales of low-voltage electrical appliances. The company was established in 2013 and is located in Wenzhou City, Zhejiang Province. At present, the company has a modern factory building of more than 7,000 mm^2. Anson Electric focuses on the low-voltage electrical fieldwide and has advanced production management systems and production processes. Its products cover electrical safety products for household, commercial, industrial and similar facilities, such as Miniature Circuit Breakers (MCB), Residual Current Devices (RCD), Isolating Switches, Molded Case Circuit Breakers (MCCB), Distribution Board, AC Contactors, Surge Protectors (SPD), IoT Smart Circuit Breakers and Electric Vehicle Charging Facilities (EV Charger), etc.

Relying on hard work and innovation, Anson Electric's products quickly stand out in the fiercely competitive electrical market. With its own brand 'Anxele', it has successfully entered the international market and signed overseas brand agency contracts with customers from many countries and regions. Its products are exported to the Europe, Middle East, Africa, South Asia and other more than 60 countries and regions.

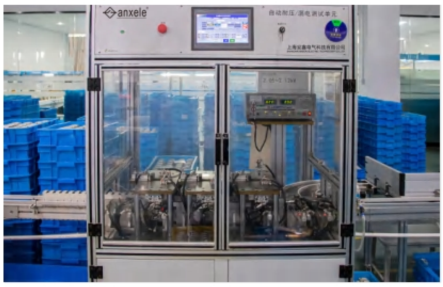
Anson Electric always insists on providing customers with safe and reliable electrical products. Won approvals of CE, CB, TUV, UKCA, SEMKO, VDE, SAA and ISO9001 Quality System Certificate and RoHS Environmental Management System Certificate.

Anson Electric is committed to solving the pressure and challenges of customers and creating value for customers. Anson Electric has rich industry experience and a dynamic, professional and efficient team, we can provide customers with the best OEM, ODM services.

Growth, Efficiency, Innovation and Quality are Anson's business goals. We are firmly committed to the field of low voltage electrical products which is your trusted partner.

We hope our products can guarantee the power safety of global users and promote the development of green energy.

WORKSHOPS



CERTIFICATE


ISO9001

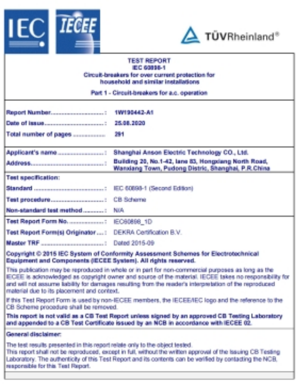
QUALITY MANAGEMENT SYSTEM CERTIFICATE

We hereby certify that the organization:

SHANGHAI ANSON ELECTRIC TECHNOLOGY CO., LTD.

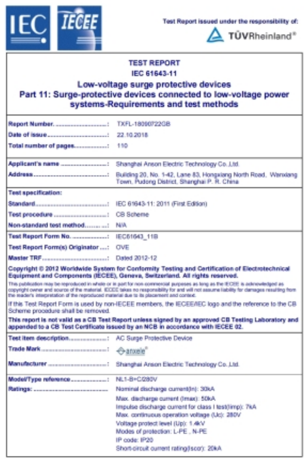
GB/T19001-2016 idt ISO9001:2015

ZHEJIANG QUANPIN CERTIFICATION CO.,LTD.


IEC IECEE TÜVRheinland

TEST REPORT

IEC 60898-1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TEST REPORT

IEC 61643-11

Low-voltage surge protective devices

Part 11: Surge-protective devices connected to low-voltage power systems-Requirements and test methods


SHANGHAI ANSON ELECTRIC TECHNOLOGY CO., LTD


CERTIFICATE

Holder of Certificate: Shanghai Anson Electric Technology Co., Ltd.

Certification Mark:

Product: Moulded case circuit breaker


intertek

Test Verification of Conformity

Verification Number: 210303371SHA-V1


IEC IECEE

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

intertek


intertek

CERTIFICATE

FOR EUROPEAN PRODUCT SAFETY

Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs)

Intertek

CONTENTS

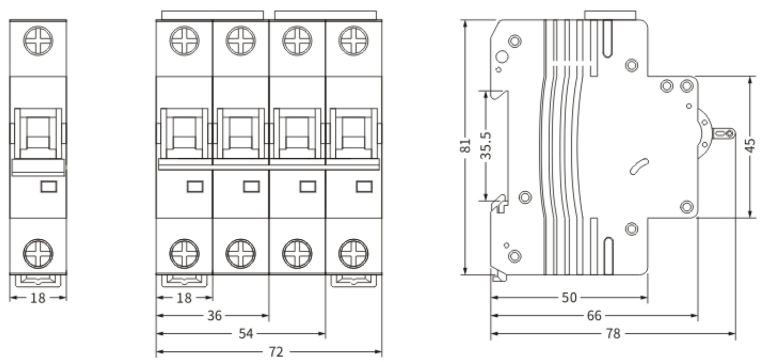
DC MCB NKC1-63DC

Mini Circuit Breaker--Standard_IEC60947-2

Technical Data

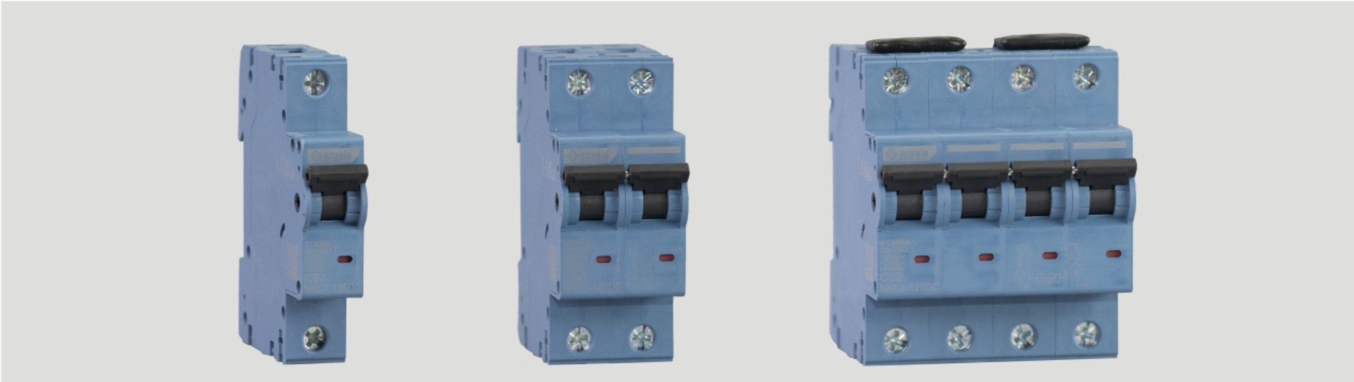
Standard	IEC/EN60947-2
Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No.of poles	1P,2P,4P
Rated currents In	1,2,3,4,5,6,10,16,20,25,32,40,50,63A
Rated voltage Ue	1P(250VDC),2P(500VDC),4P(1000VDC)
Rated breaking capacity	6,000A
Rated impulse withstandard voltage(1.5/50) Uimp	4,000V
Dielectric test voltage at Ind.Freq. for 1min	3kV
Thermal release characteristic	(1.05-1.30)xIn
Magnetic release characteristic	10In±20%
Electrical life	4,000Cycles
Mechanical life	10,000Cycles
Contact position indicator	Yes
Protection degree	IP20
Ambient temperature	-5℃to+40℃ Max. 95%humidity
Terminal connection type	Cable/Pin-type busbar/Fork-type busbar
Max.terminal size for cable	$25mm^2$
Max.tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Connection	According to the wiring diagram

Overall and Installation Dimension(mm)



DC MCB NKC1-125DC

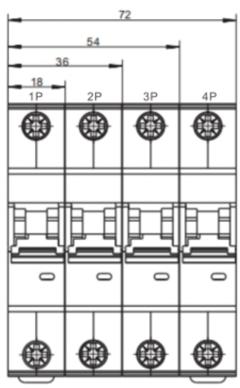
Mini Circuit Breaker - Standard_IEC60947-2

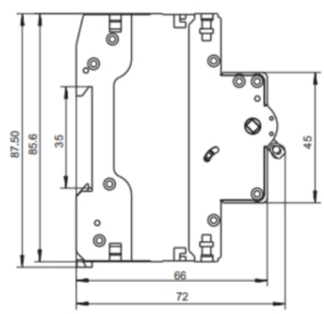


Technical Data

Standard	IEC/EN60947-2
Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No.of poles	1P,2P,4P
Rated currents In	80,100,125A
Rated voltage Ue	1P(250VDC),2P(500VDC),4P(1000VDC)
Rated breaking capacity	10,000A
Rated impulse withstandard voltage(1.5/50) Uimp	4,000V
Dielectric test voltage at Ind.Freq. for 1min	3kV
Thermal release characteristic	(1.05-1.30)xIn
Magnetic release characteristic	10In±20%
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	Yes
Protection degree	IP20
Ambient temperature	-5℃to+40℃ Max.95%humidity
Terminal connection type	Cable/Pin-type busbar/Fork-type busbar
Max.terminal size for cable	35mm^2
Max.tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Connection	According to the wiring diagram

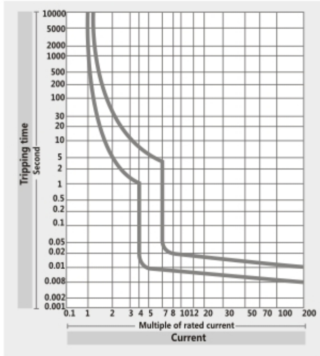
Overall and Installation Dimension(mm)

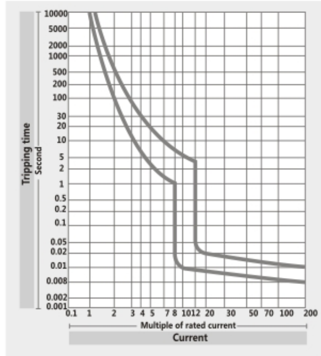




Tripping Characteristic (IEC60947-2)

Current(A)		Rated current (A)	Thermal Release				Magnetic release	
			Non-tripping current(A)	Tripping current(A)	Non-tripping time(h)	Tripping time(h)	Holding time(S)	Tripping time(S)
10In± 20%	8In	1-63	1.05In		≤1		≤0.2	
				1.30In		<1		<0.2
	12In	80-125	1.05In		≤2		≤0.2	
				1.30In		<2		<0.2



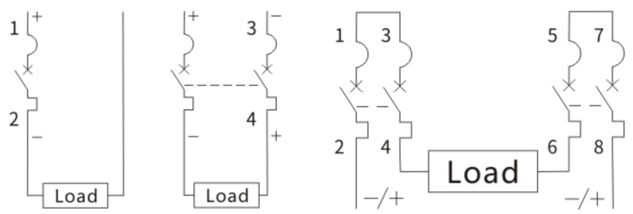


Temperature Derating Table

Rated current (A)	Correction factor for ambient temperature											
	-40℃	-30℃	-20℃	-10℃	0℃	10℃	20℃	30℃	40℃	50℃	60℃	70℃
1	1.33	1.29	1.25	1.2	1.15	1.11	1.05	1	0.94	0.88	0.82	0.75
2	2.67	2.58	2.49	2.4	2.31	2.21	2.11	2	1.89	1.76	1.63	1.49
3	4	3.9	3.7	3.6	3.5	3.3	3.2	3	2.8	2.6	2.4	2.2
4	5.3	5.2	5	4.8	4.6	4.4	4.2	4	3.8	3.5	3.3	3
5	6.7	6.5	6.31	6.1	5.8	5.5	5.25	5	4.7	4.3	4	3.7
6	8	7.7	7.5	7.2	6.9	6.6	6.3	6	5.7	5.3	4.9	4.5
10	13.3	12.9	12.5	12	11.5	11.1	10.5	10	9.4	8.8	8.2	7.5
16	21.3	20.7	20	19.2	18.5	17.7	16.9	16	15.1	14.1	13.1	11.9
20	26.7	25.8	24.9	24	23.1	22.1	21.1	20	18.9	17.6	16.3	14.9
25	33.3	32.3	31.2	30	28.9	27.6	26.4	25	23.6	22	20.4	18.6
32	42.7	41.3	39.9	38.5	37	35.4	33.7	32	30.2	28.2	26.1	23.9
40	53.3	51.6	49.9	48.1	46.2	44.2	42.2	40	37.7	35.3	32.7	29.8
50	66.7	64.5	62.4	60.1	57.7	55.3	52.7	50	47.1	44.1	40.8	37.3
63	84	81.3	78.6	75.7	72.7	69.6	66.4	63	59.4	55.6	51.4	47
80	106.4	103.2	100	96	92	88.8	84	80	75.2	70.4	65.6	60
100	133	129	125	120	115	111	105	100	94	88	82	75
125	166.3	161.3	156.3	150	143.8	138.8	131.3	125	117.5	110	102.5	93.8

Circuit Diagram

- NKC1-63DC
- NKC1-125DC



1P 2P 4P

NCM3DC MCCB

DC High Volt age Molded Case Circuit Breaker-- Standard_ IEC60947-1
IEC60947-2

Function Introduction

Through many years of dedicated research on the actual system operation situation and customer needs of new energy at home and abroad, Anson Electric has developed the NCM3DC series DC Molded Circuit Breaker for New Energy.

Product Characteristic

NCM3DC series Molded Circuit Breaker, The maximum rated voltage is DC 1500V, and the maximum current is 800A.

NCM3DC series Molded Circuit Breaker, in the voltage of DC 1500V, the maximum breaking capacity is 50kA, which can ensure reliable short-circuit protection of the system.

Standard

NCM3DC series DC molded case circuit breaker meet the following standards

IEC 60947-1 General Provisions

IEC 60947-2 Circuit Breaker

Use and Maintenance

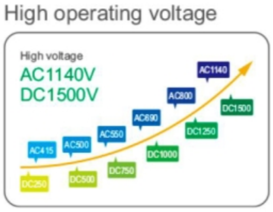
Various characteristics and accessories of the circuit breaker shall be fixed by the manufacturer and shall not be adjusted in the use. Under the compliance with custody and use conditions, from the date of 24 months from the manufacturer delivery and in the situation of the circuit breaker intact seals, if the product is damaged or not used normally due to manufacturing quality problems, the manufacturer shall be responsible for replacement and repair without charge.

Applied Environment

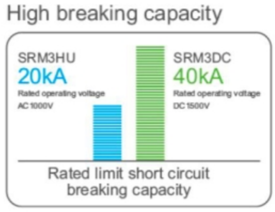
1. The altitude is not higher than 5500 m;
2. It is resistant to damp air (three-proof type)①
3. It is resistant to the influence of salt fog and oil fog (three - proof type);
4. It is resistant to the influence of mold (three - proof type);
5. In a medium without explosion risk, and the medium is not enough to corrode the metal and destroy the insulation of the gas and conductive dust.

Note: The three-prevention products should be specially customized, please indicate TH.

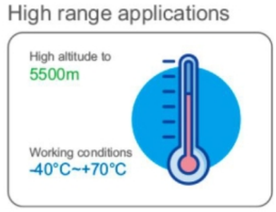
High operating voltage



High breaking capacity



High range applications



DC High Voltage Molded Case Circuit Breaker---------------------------------------Standard_ IEC60947-1
IEC60947-2

Model Preparation Meaning

N	CM	3	DC	- 250	H·R	/ 3	320	D	DC1500V	200A
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪

Code name	Meaning
①	ANXELE
②	Molded Case
③	Design No.
④	DC-DC
⑤	Shell frame gradecurrent 250, 320, 400, 630, 800
	Rated short-circuit breaking capacity rating
⑥	H: high speed breaker R: current limiting type
⑦	Phase No.
⑧	Stripper mode and attachment code (see Table)
⑨	External accessories D: Auto operation Z: Manual operation
⑩	Rated voltage DC250V, DC500V, DC750V, DC1000V, DC1250V, DC1500V
⑪	Rated current: 63~800A

Class

According to operation mode:

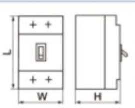
1. Direct operation
2. Electric operator mechanism operation
3. Rotary handle operation

According to the protection form:

1. Line protection
2. Line isolation

DC High Voltage Molded Case Circuit Breaker--Standard_ IEC60947-1
IEC60947-2

Main Technical Parameter

Appearance								
Model		NCM3-320DC			NCM3-400DC			
Rated current of shell frame grade Inm(A)		320			400			
Rated current In(A)		63, 80, 100, 125, 140, 160, 180, 200, 225, 250, 280, 315, 320			225, 250, 315, 350, 400			
Pole Number		2		3	2			3
Rated working voltage Ue (V)DC		500	1000	1500	250/500	750/1000	1250/1500	1250/1500
Rated insulation voltage Ui (V)		1250		1500	1500			
Rated impulse withstand voltage Uimp (kV)		8		12	12			
Extreme short-circuit breaking capacity Icu (kA)	H Type	50	20	20	70	40	20	20① 40②
	R Type	/	/	/	85	60	40	40① 50②
Running short-circuit breaking capacity Ics (kA)	H Type	Ics=100%Icu						
	R Type							
Wiring mode		Up incoming and Down outcoming, Down incoming and Up outcoming (2P, 320/3P) Down incoming and Down outcoming, Up incoming and Up outcoming (3P)						
Mechanical life (Total times)		20000			10000			
Electrical life (Total times)		3000	2000	1500	1000	1000	700	500
Insolation feature		Yes						
Standard		IEC 60947-2, GB/T 14048.2						
Allowable ambient temperature		-40~+70°C						
Levels of protection		IP20						
Quality certificate		CCC、CB、TÜV certificate						
With accessories		Auxiliary, alarm, off load, Hand operation, Electric operation						
Arcing distance (mm)		≤50 (Zero arc, with arcing cover)						
Transient Action value		10In						
Overall dimensions L×W×H(mm) 	L	180		180	250			250
	W	76		107	124			182
	H	126		126	165			165

Note: ① 2P connection in series
② 3P connection in series

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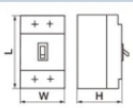
DC High Voltage Molded Case Circuit Breaker--Standard_ IEC60947-1
IEC60947-2

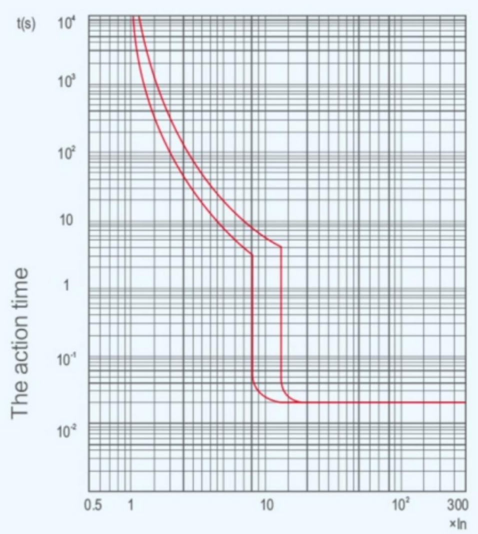
Main Technical Parameter

Appearance									
Model		NCM3-630DC				NCM3-800DC			
Rated current of shell frame grade Inm(A)		630				800			
Rated current In(A)		500 630				700 800			
Pole Number		2			3	2			3
Rated working voltage Ue (V)DC		250/500	750/1000	1250/1500	1250/1500	250/500	750/1000	1250/1500	1250/1500
Rated insulation voltage Ui (V)		1500				1500			
Rated impulse withstand voltage Uimp (kV)		12				12			
Extreme short-circuit breaking capacity Icu (kA)	H Type	70	40	20	20① 40②	70	40	20	20① 40②
	R Type	85	60	40	40① 50②	85	60	40	40① 50②
Running short-circuit breaking capacity Ics (kA)	H Type	Ics=100%Icu							
	R Type								
Wiring mode		Up incoming and Down outcoming, Down incoming and Up outcoming (2P, 320/3P) Down incoming and Down outcoming, Up incoming and Up outcoming (3P)							
Mechanical life (Total times)		5000							
Electrical life (Total times)		1000	1000	700	500	1000	1000	700	500
Insolation feature		Yes							
Standard		IEC 60947-2, GB/T 14048.2							
Allowable ambient temperature		-40~+70°C							
Levels of protection		IP20							
Quality certificate		CCC、CB、TÜV certificate							
With accessories		Auxiliary, alarm, off load, Hand operation, Electric operation							
Arcing distance (mm)		≤50 (Zero arc, with arcing cover)							
Transient Action value		10In							
Overall dimensions L×W×H(mm) 	L	250			250	250			250
	W	124			182	124			182
	H	165			165	165			165

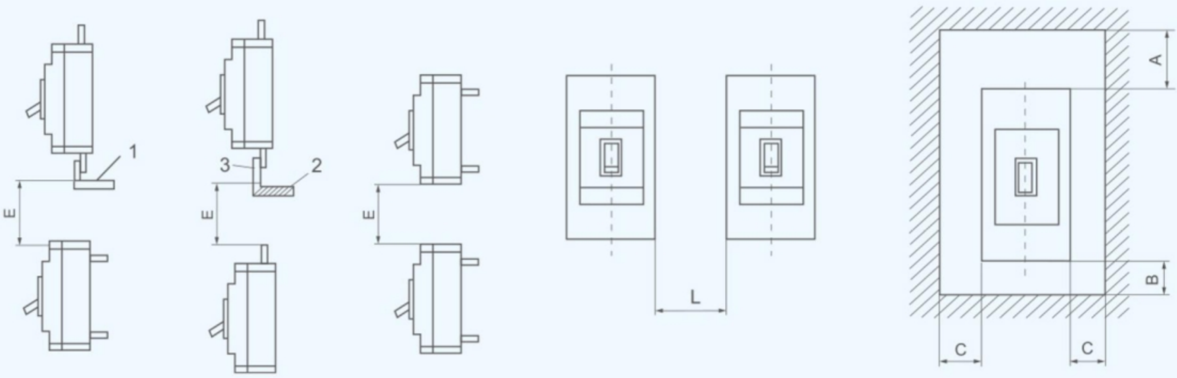
Note: ① 2P connection in series
② 3P connection in series

Action Characteristic Curveof The Circuit Breaker

NCM3 Action characteristic curve



Safe Distance During Circuit Breaker Installation

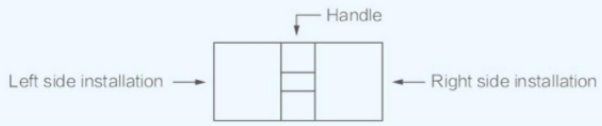


Type	L	A		B	C	E	
		Without zero arcing cover	With zero arcing cover			Without zero arcing cover	With zero arcing cover
NCM3-250DC	40	50	/	25	25	50	/
NCM3-320DC		50	65	25	25	50	130
NCM3-400DC	70	100	65	25	25	100	130
NCM3-630DC		100	65	25	25	100	130
NCM3-800DC		100	65	25	25	100	130

In above picture, there is 1. No insulated links 2. Insulated wires 3. Cable terminals

Release Way and Accessory Code

Types according to tripping type: instantaneous buckle only (electromagnetic buckle: 200); hot moving + electromagnetic buckle (composite: 300)



□ Alarm contact
■ Auxiliary contacts
● Shunt release
○ under voltage release
→ Lead line direction

Accessory code	Accessory name	NCM3-250/320	NCM3-400/800	NCM3-250DC/320DC	NCM3-400DC/800DC
		3,4 pole		2,3 pole	2,3 pole
200, 300	Without inner accessory	—	—	—	—
208, 308	Alarm Contact	← □ |	← □ |	—	← □ |
210, 310	Shunt release	| ● →	| ● →	—	| ● →
220,320	Auxiliary contact (1NO1NC)	← ■ |		← ■ |	
	Auxiliary contact (2NO2NC)	—	← ■ |	—	← ■ |
202, 302	Auxiliary contact (2NO2NC)	← ■ |	—	—	—
230, 330	Under voltage releas	← ○ | →	← ○ | →	—	← ○ | →
240, 340	Shunt release, Auxiliary contact (1NO1NC)	← ■ | ● →	—	← ■/● | →	—
	Shunt release, Auxiliary contact (2NO2NC)	—	← ■ | ● →	—	← ■ | ● →
212, 312	Shunt release, Auxiliary contact (2NO2NC)	← ■ | ● →	—	—	—
250, 350	Shunt Release, Under voltage contact	← ○ | ● →	← ○ | ● →	—	← ○ | ● →
260, 360	Group 2 auxiliary contact (2NO2NC)	← ■ | ■ →	—	—	—
	Group 2 auxiliary contact (4NO4NC)	—	← ■ | ■ →	—	← ■ | ■ →
222, 322	Group 2 auxiliary contact (3NO3NC)	← ■ | ■ →	—	—	—
223, 323	Group 2 auxiliary contact (4NO4NC)	← ■ | ■ →	—	—	—
270, 370	Under Voltage Release, Auxiliary contact(1NO1NC)	← ○ | ■ →	—	—	—
	Under Voltage Release, Auxiliary contact (2NO2NC)	—	← ○ | ■ →	—	← ○ | ■ →
232, 332	Under Voltage Release, Auxiliary contact (2NO2NC)	← ○ | ■ →	—	—	—
218, 318	Shunt release Alarm Contact	← □ | ● →	← □ | ● →	—	← □ | ● →
228, 328	Auxiliary contact (1NO1NC), Alarm Contact	← □/■ | →	—	—	—
	Auxiliary contact (1NO1NC), Alarm Contact	—	← □/■ | →	—	← □/■ | →
238, 338	Under voltage releas, Alarm Contact	← ○ | □ →	← ○ | □ →	—	← ○ | □ →
248, 348	Shunt release Auxiliary contact (1NO1NC), Alarm Contact	← □/■ | ● →	—	—	—
	Shunt release Auxiliary contact (2NO2NC), Alarm Contact	—	← □/■ | ● →	—	← □/■ | ● →
268, 368	Group 2 auxiliary contact (2NO2NC), Alarm Contact	← ■/□ | ■ →	—	—	—
	Group 2 auxiliary contact (4NO4NC), Alarm Contact	—	← ■/□ | ■ →	—	← ■/□ | ■ →
205, 305	Group 2 auxiliary contact (3NO3NC), Alarm Contact	← ■/□ | ■ →	—	—	—
278, 378	Group 2 auxiliary contact (1NO1NC), Under voltage releas, Alarm Contact	← ○ | ■/□ →	—	—	—
	Group 2 auxiliary contact (2NO2NC), Under voltage releas, Alarm Contact	—	← ○ | ■/□ →	—	← ○ | ■/□ →

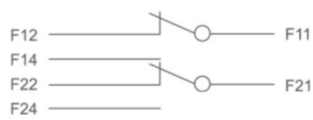
Auxiliary Contact

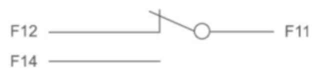
Auxiliary contact current parameters

Rated current of shell frame class	Agreed heating current	Rated operating current at AC 400V
Inm<250	3A	0.30A
Inm>400	6A	0.40A

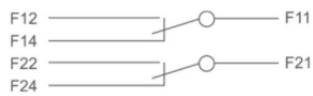
Auxiliary contact and its combination

When the circuit breaker is in the "off" positio





When the circuit breaker is in the “on” position



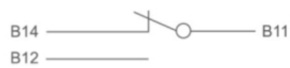
Alarm Contact

Alarm contact and its combination

Alarm Contact Ue=220v,Ith=3A

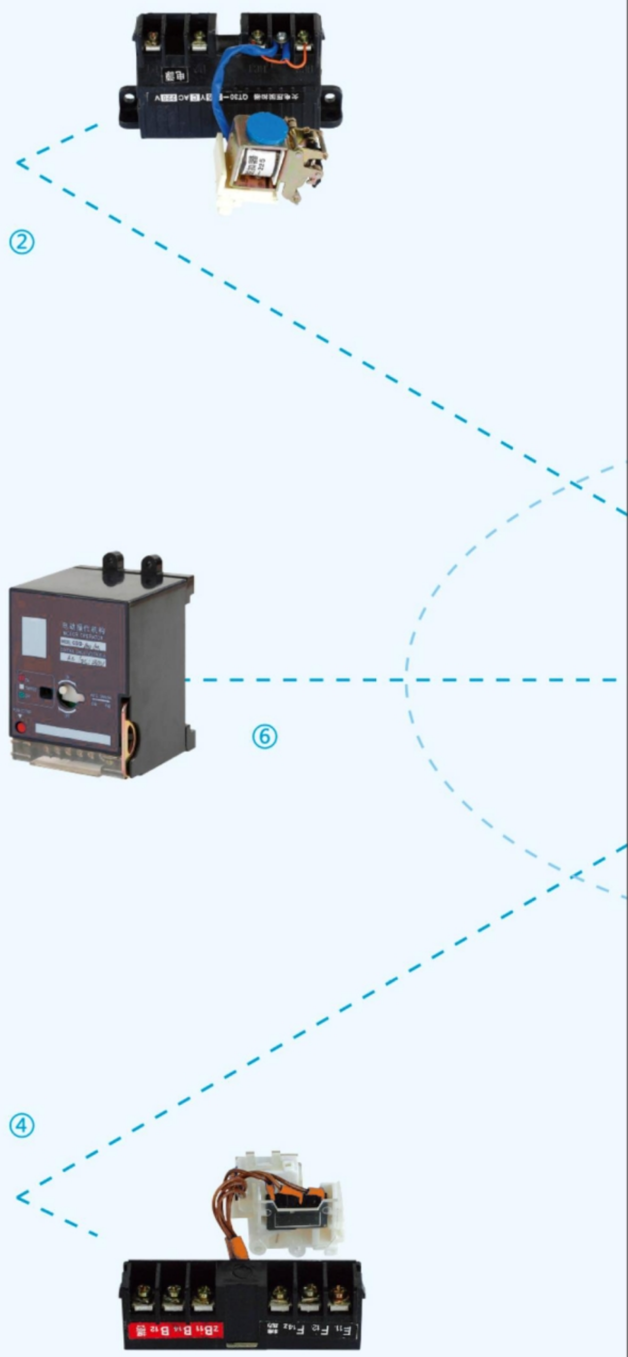
When the circuit breaker is the “off” and “ on” positions

When the circuit breaker is in the "free trip" position

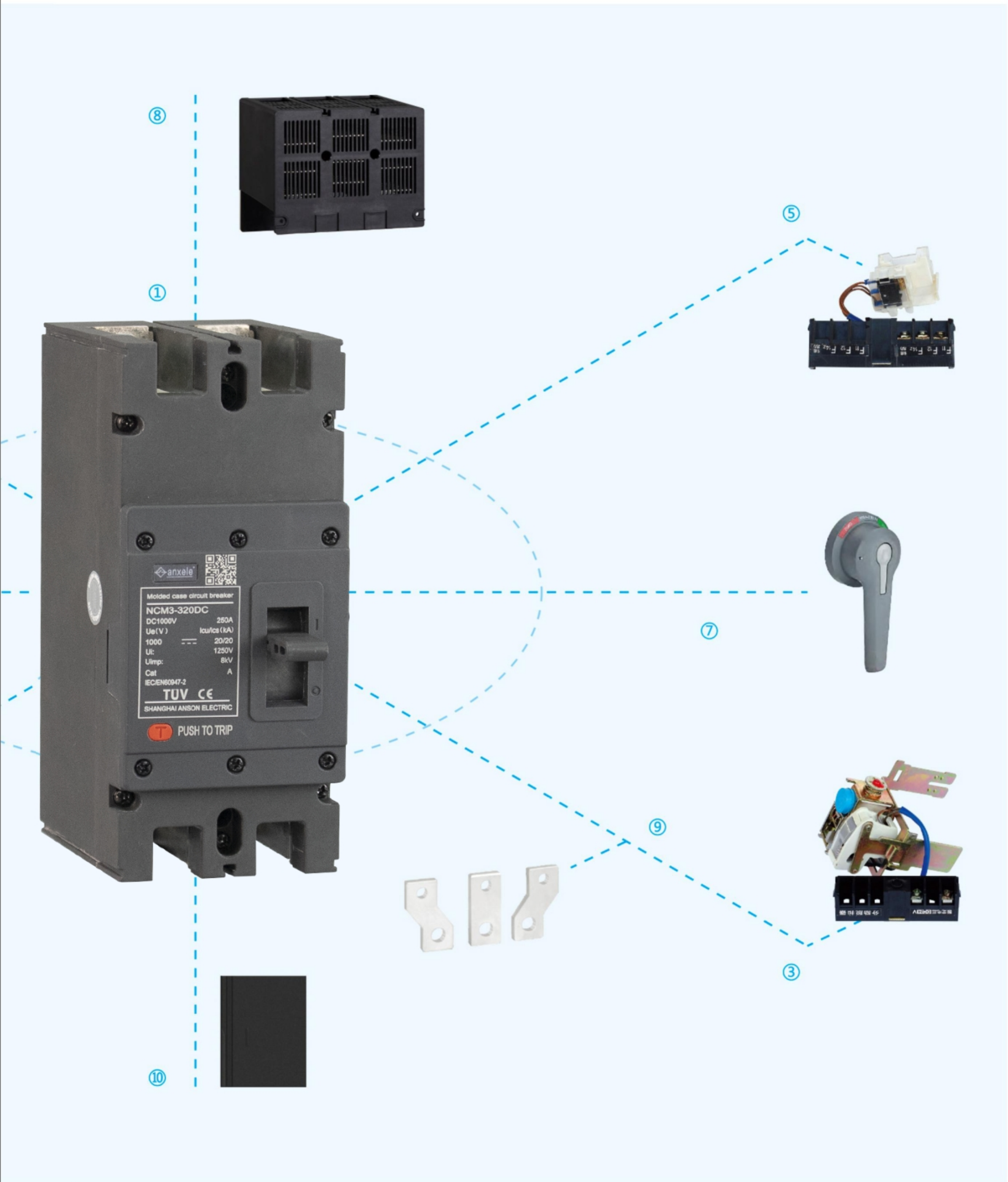


Product Accessories

1. Ontology
2. Undervoltage release (customer purchase)
3. Shunt release (customer purchase)
4. Alarm contact (customer purchase)
5. Auxiliary contact (customer purchase)
6. Electric operating mechanism (customer purchase)
7. Hand-operated mechanism (customer purchase)
8. Terminal guard (customer purchase)
9. Front wiring board (customer option)
10. Arc partition (standard with the main body)



DC High Voltage Molded Case Circuit Breaker------Standard_ IEC60947-1
IEC60947-2



Shunt Release

Generally installed in the circuit breaker A phase, and between 70% -110% of the rated control power supply voltage, the distributor shall reliably buckle the circuit breaker under all operating conditions.

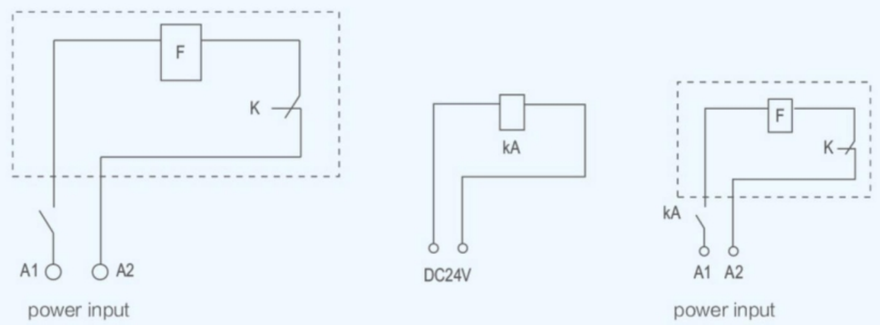
Control voltage: General: DC 24V, 100V, 220V

Note: when the control circuit power supply is DC24V, it is recommended to use the following figure for the excitation control circuit design.

KA: is a DC24V intermediate relay with a contact current capacity of 1A.

The micro switch in series between the K: tap and the coil is normally closed contact. When the circuit breaker is disconnected, the contact is disconnected by itself and closed when closed.

Wiring diagram of excitation tripping

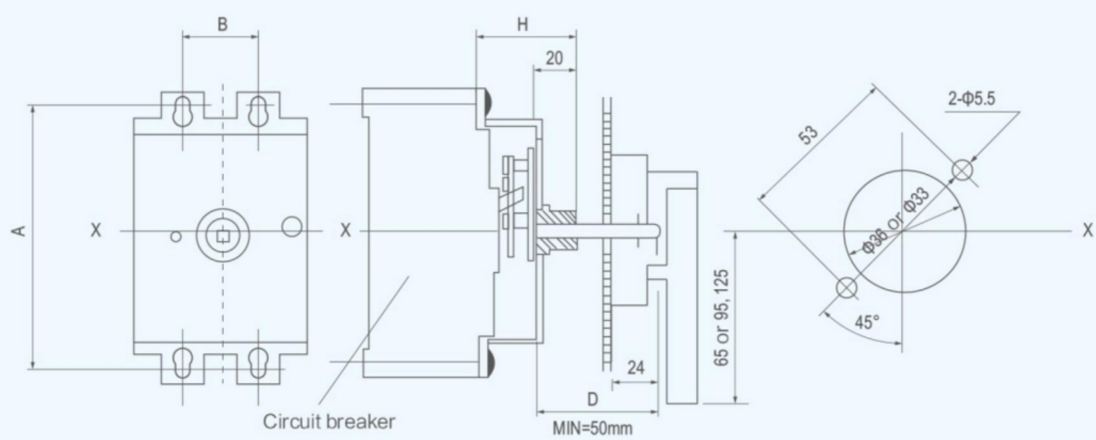


Installation Method and Overall Dimension of External Accessories

Turning the operating handle mechanism type and specification

Model	Installation dimension(mm)				Operator handle relative to circuit breaker center value(mm)
	A	B	H	D	
CZ2-320/NCM3	157	35	55	50-150	0
CZ2-400/NCM3	224	48	78	50-150	±5

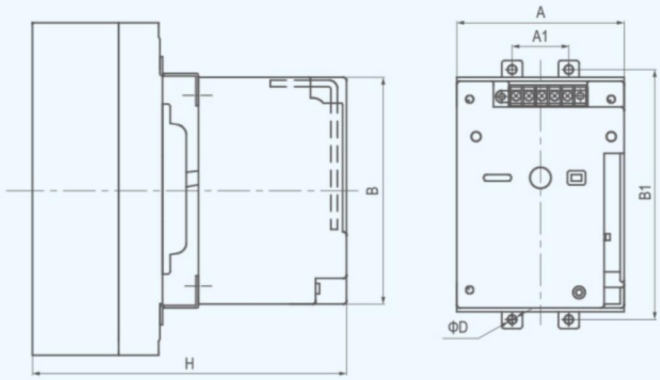
Schematic of CS1-A handle



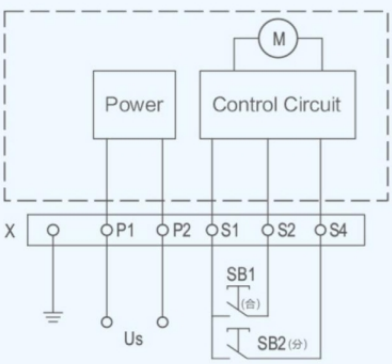
Model and specification of electric operating mechanism

Model	H	B	B1	A	A1	D
NCM3-320	188.5	116	126	90	35	4.2
NCM3-400	244	176	194	130	48	6.5

CD2 Outline and installation dimensions schematic diagram



Electric power operator mechanism wiring diagram



Symbol Description:

SB1,SB2 operation button (user-owned)

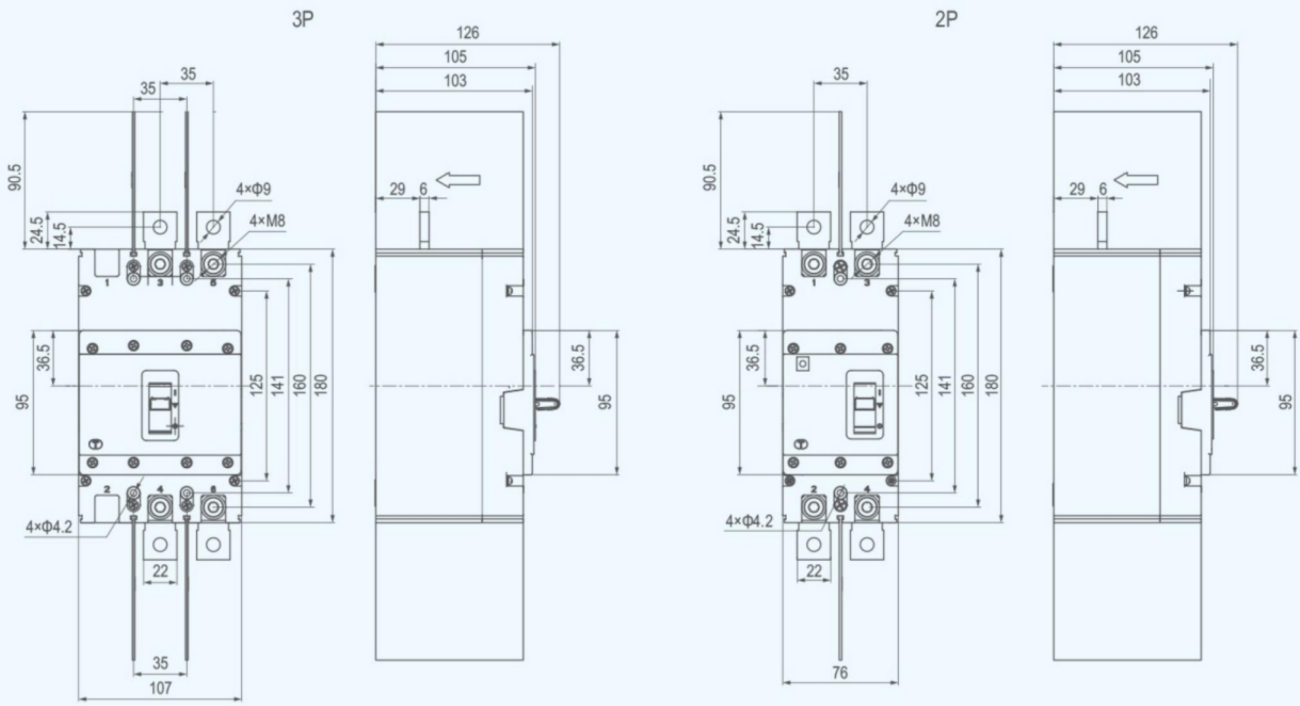
X terminal row

P1, P2 Power Supply for External Supply

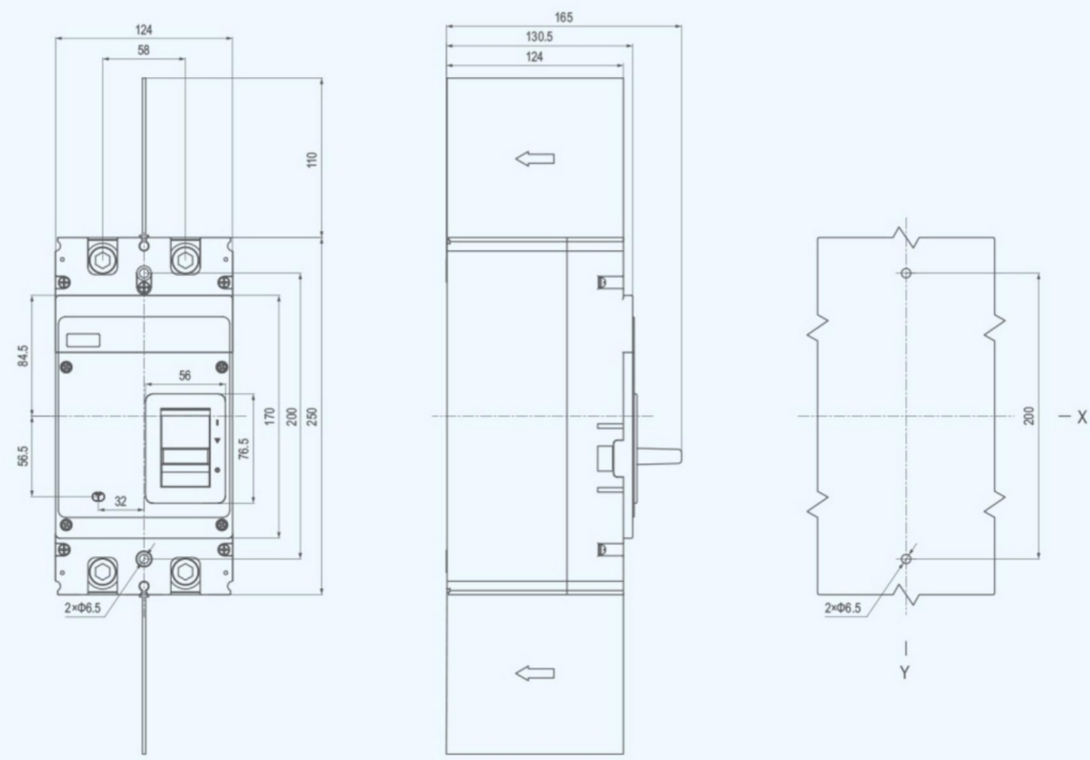
DC High Voltage Molded Case Circuit Breaker------Standard_ IEC60947-1
IEC60947-2

Outline and Installation Dimension Method and Its Overall Dimension

NCM3DC-250/320 Outline and installation of hole opening dimensions

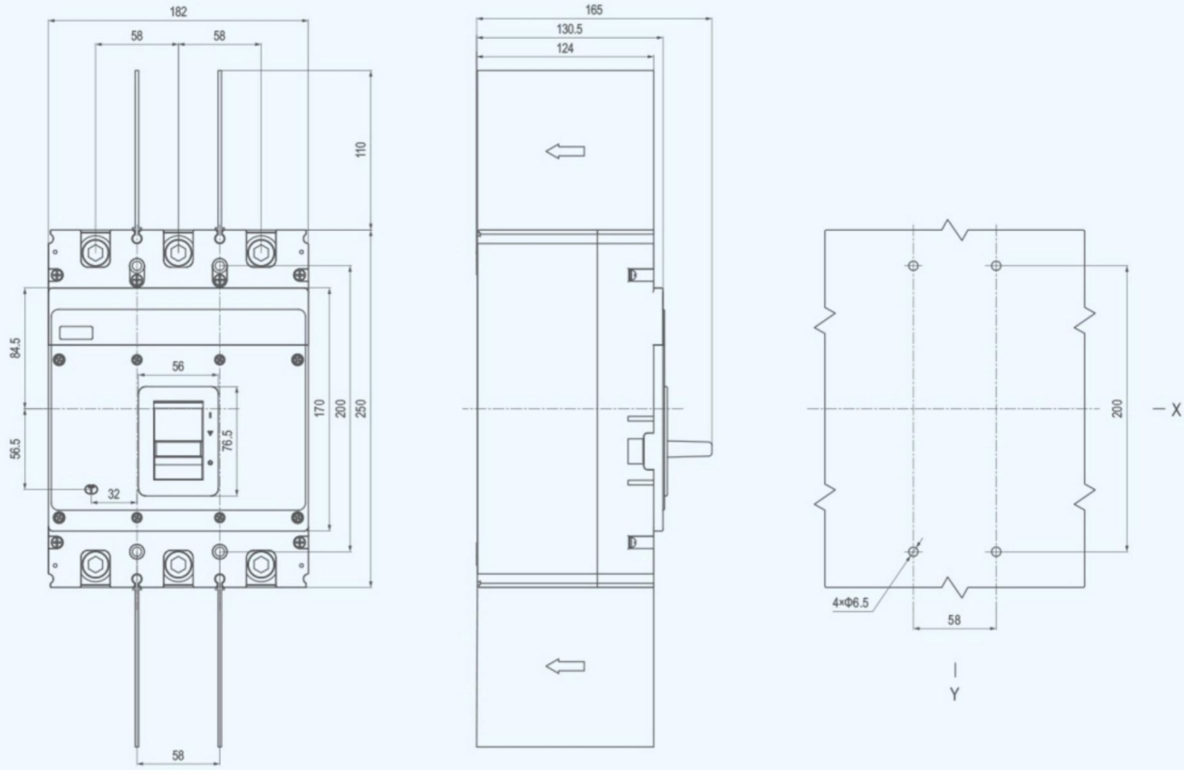


NCM3DC-400/630/800 Outline and installation of hole opening dimensions(2P)

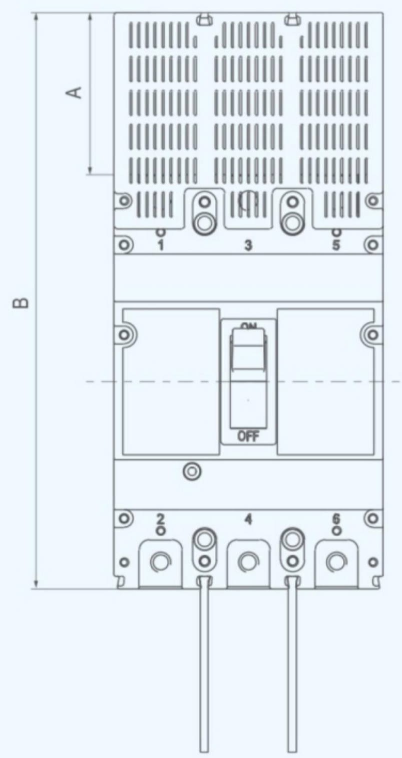


DC High Voltage Molded Case Circuit Breaker------Standard_ IEC60947-1 IEC60947-2

NCM3DC-400/630/800 Outline and installation of hole opening dimensions(3P)



NCM3 with arc cover installation drawing



Circuit breaker	Arcing cover length: A	Total length: B
NCM3DC-320	64	245
NCM3DC-400/630/800	64	314

NS1- 40PV−T2 SPD Type T2

Standard_IEC/EN61643-31

Product Selection Guide

N S1- PV 40 T2 - M - 600 S

- S: With Remote Signaling
- 600: Uc:600:DC600V,1000:DC1000V,1500:DC1500V
- M: No. of Module: 2:2Module,3:3Module
- T2: Classification T2
- 40: I.max: 40kA
- PV: Solar PV System
- S1-: SPD serie No.1
- N: Company Code

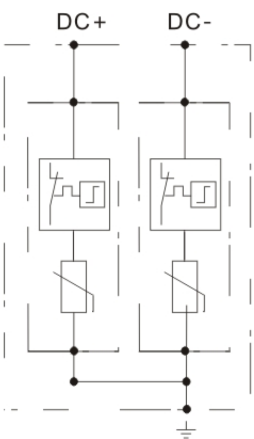
NS1-PV40-T2
2P(600VDC)

NS1-PV40-T2
2P(1000VDC)

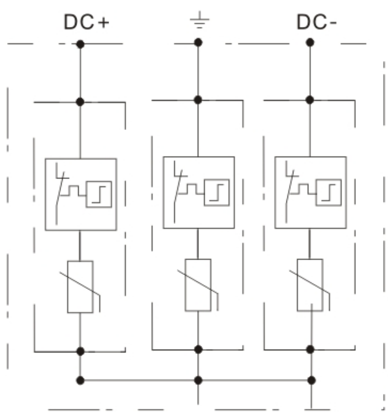
NS1-PV40-T2
3P(1000VDC)

NS1-PV40-T2
3P(1500VDC)

Basic circuitd iagram



2P



3P

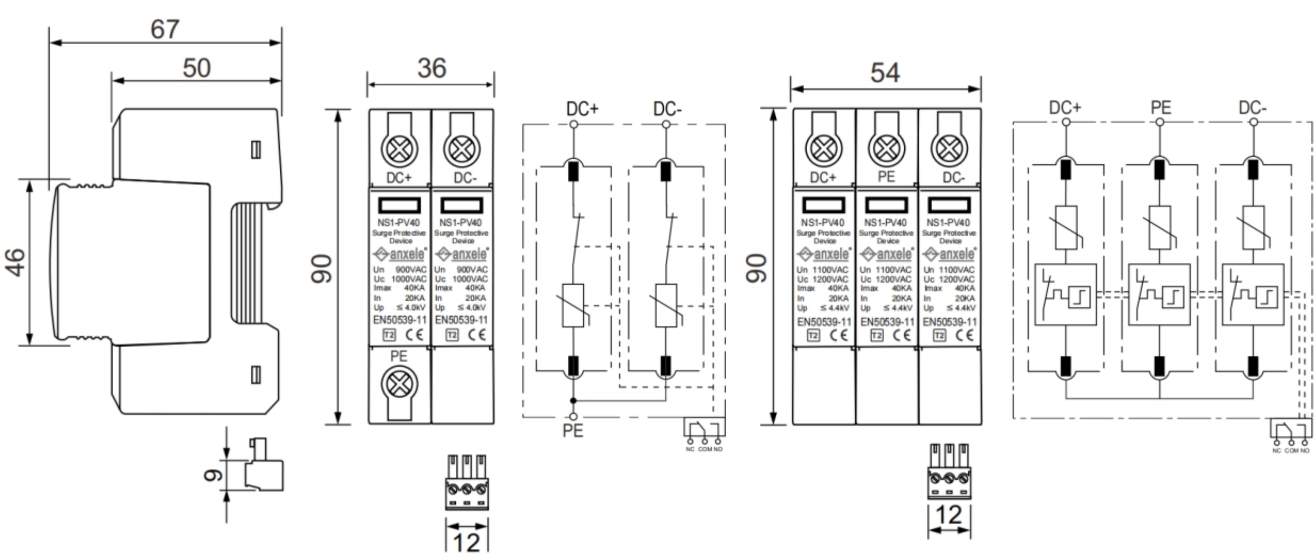
SPD Type Reference List

No. of Poles	Max. Continuous Operating DC Voltage		
	600VDC	1000VDC	1500VDC
2Module	NS1-PV40-T2-2M600	NS1-PV40-T2-2M1000	-
3Module	-	NS1-PV40-T2-3M1000	NS1-PV40-T2-3M1500
With Remote Signaling			
2Module	NS1-PV40-T2-2M600S	NS1-PV40-T2-2M1000S	-
3Module	-	NS1-PV40-T2-3M1000S	NS1-PV40-T2-3M1500S

Technical Data

SPD classification according to IEC/EN61643-31			T2	T2	T2
Max.continuous operatinga .c.voltage	Ucpv		600VDC	1000VDC	1500VDC
Norminal discharge current(8/20μs)	In		20kA	20kA	20kA
Maximum discharge current(8/20μs)	Imax		40kA	40kA	40kA
Voltage protection level DC+/DV-toP E	Up	2Mods	≤ 2.6kV	≤ 4.0kV	-
		3Mods	-	≤ 4.0kV	≤ 4.5kV
Response time	tA		≤ 25ns	≤ 25ns	≤ 25ns
Operating temperature range	Tu		-40℃~80℃		
Operating State/Fault Indication			Green/Red		
Cross-section area(Min.)			$4mm^2$		
Cross-section area(Max.)			$35mm^2$		
Form ounting on			35mm Din rail		
Enclosure material			Thermal Plastic UL94-V0		
Degree of Protection			IP20		
No. of Moudles			2P(2Mods),3P(3Mods)		

Overall and Installation Dimension(mm)



NS1-PV40 T1+T2 SPD T1+T2

anxele

Standard_ IEC/EN61643-31

NS1-PV40 T1+T2
3P(1500VDC)

Product Selection Guide

N S1 - PV 40 T1+T2 3M - 1500 S

- S: With Remote Signaling
- 1500: Uc: 1500: DC1500V
- 3M: No. of Module: 3:3Module
- T1+T2: Classification T1+T2
- 40: I.max: 40kA
- PV: Solar PV System
- S1: SPD serie No.1
- N: Company Code

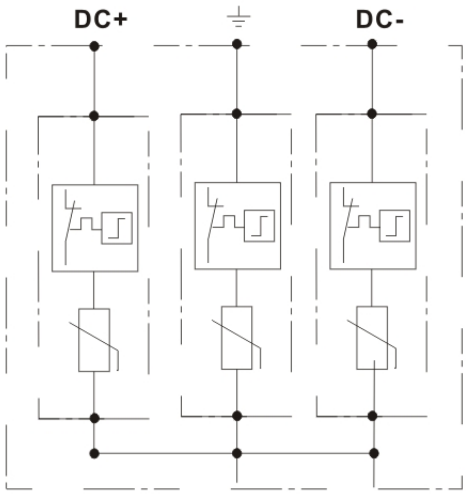
Technical Data

SPD classification according to IEC/EN61643-31			T1+T2
Max. continuous operating a.c.voltage	Ucpv		1500VDC
Impulse Discharge Current (10/350 μs)	Iimp		6.25kA
Total Discharge Current (10/350 μs)	ITotal		12.5kA
Norminal discharge current (8/20μs)	In		20kA
Maximum discharge current (8/20μs)	Imax		40kA
Voltage protection level DC+/DV-to PE	Up	3Mods	⩽4.5kV
Response time	tA		⩽25ns
Operating temperature range	Tu		-40℃~80℃
Operating State/Fault Indication			Green/Red
Cross-section area (Min.)			4mm²
Cross-section area (Max.)			35mm²
For mounting on			35mm Din rail
Enclosure material			Thermal Plastic UL94-V0
Degree of Protection			IP20
No. of Moudles			3P(3Mods)

SPD Type Reference List

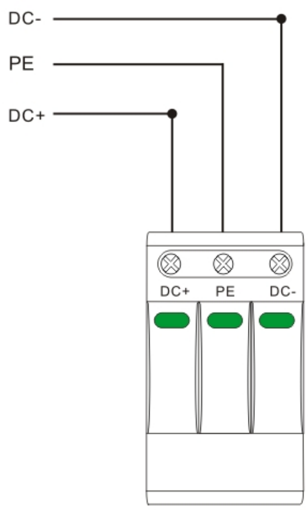
No. of Poles	Max. Continuous Operating DC Voltage
	1500VDC
3Module	NS1-PV40-T2-3M1500
With Remote Signaling	
3Module	NS1-PV40-T2-3M1500S

Basic circuit diagram



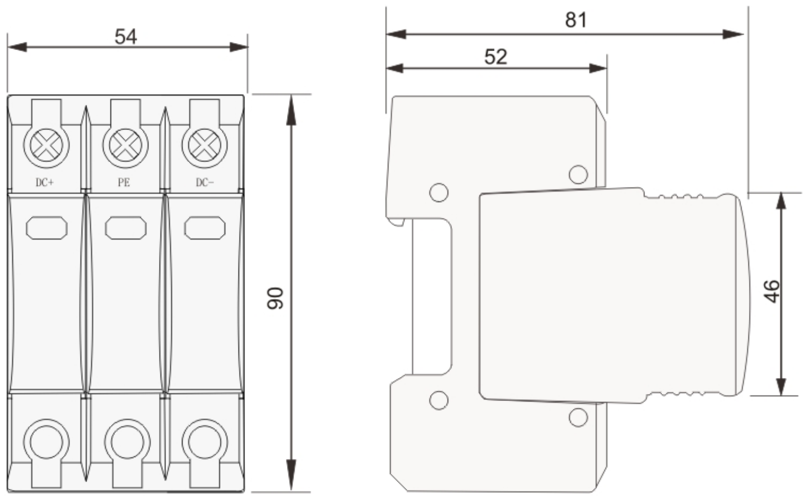
3P

Connection Diagram



NS1-PV40 T1+T2

Overall and Installation Dimension(mm)



Technical Data

Model			
	NFPV-32PV-10 NFPV-32PV-10L	NFPV-50PV-10 NFPV-50PV-10L	NFPV-50PV-14 NFPV-50PV-14L
Rated Voltage	1000VDC	1500VDC	
Rated Current	32A	32A	50A
Size of Fuse Link	10x38mm	10x85mm	14x85mm
Class of Operation	gPV	gPV	
Mechanical Life	500	500	
Product Width	18mm	22mm	
Tightening Torque	2.5Nm 14In-lbs	2.5Nm14In-lbs	
Terminal size for Cable	6mm² 8-18AWG	10mm² 6-18AWG	
Ambient temperature (with daily average≤35℃)	-5℃~+40℃		
Storage Temperature	-25℃~+70℃		
Standard:	IEC60269-6		
Mounting	On DIN rail EN60715(35mm) by means of fast clip device		

Product Selection Guide

NFPV-32(L)PV-10	
N	Company Code
FPV	Solar Fuse holder
1	Design No.
32	DC Voltage frame(32:1000VDC, 50:1500VDC)
L	Blank: Without Lamp, L: With Lamp
PV	For Solar DC system, PV: General type,PV: High enclosurer type(for NFPV-25PV-10 new type only)
32	Fitting to Size of Fuse link(25:for10x38mm1000V,50L:for10x85mm1500V,14L:for14x85mm1500V)

Reference No.	DC Voltage Grade	Size of Fuse Link	Current Ratting for Fuse Link
NFPV-25(L)PV-10	1000VDC	10x38mm	1,2,3,4,5,6,8,10,12,15,16,20,25,30,32A
NFPV-25(L)PVH-10	1000VDC	10x38mm	1,2,3,4,5,6,8,10,12,15,16,20,25,30,32A
NFPV-50(L)PV-10	1500VDC	10x85mm	2,3,4,5,6,8,10,12,15,16,20,25,30,32A
NFPV-50(L)PV-14	1500VDC	14x85mm	8,10,12,15,16,20,25,30,32,35,40,45,50A

Technical Data

Model			
	NFPV-32S10	NFPV-50S10L	NFPV-50S14L
Size	10x38mm	10x85mm	14x85mm
Rated Voltage	1000VDC	1500VDC	1500VDC
Rated Current	1-32A	2-32A	8-50A
Class of Operation	gPV	gPV	gPV
Breaking capacity	33KA	25KA	25KA
Standard:	IEC60269		

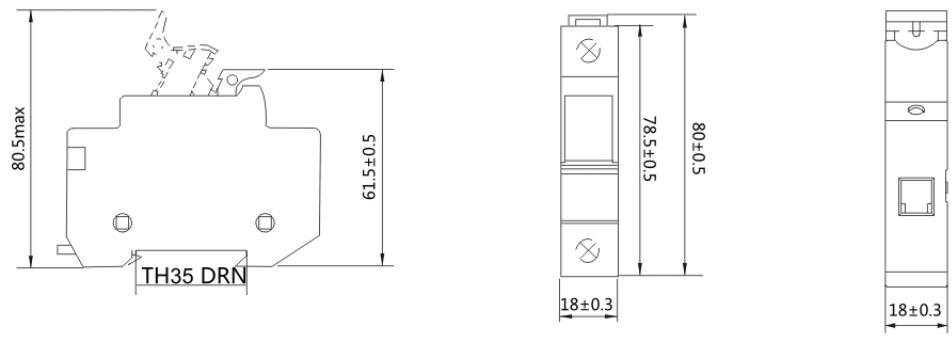
Product Selection Guide

NFPV32S10L16	
NF	Company Code
PV	Solar Fuse Link
32	DC Voltage Grade(32:1000VDC,50:1500VDC)
D	For Solar DC system
10L	Size of Fuse link(10:10x38mm1000V,10L:10x85mm1500V,14L:14x85mm1500V)
20	Current Ratting(01,02...40,50A)

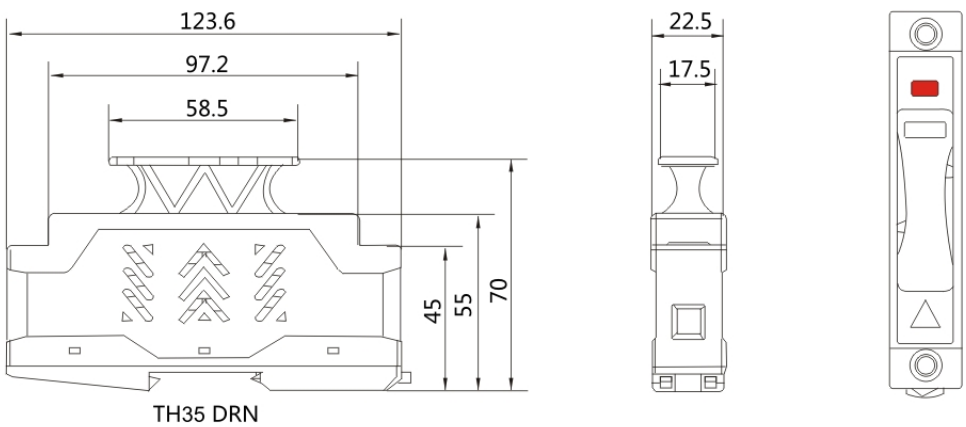
Current Ratting	Reference No. for Fuse Link Voltage Grade and Size of Fuse Link		
	NFPV32S1001	NFPV50S10L	NFPV50S14L
	1000VDC	1500VDC	1500VDC
	10x38mm	10x85mm	14x85mm
1A	NFPV32S1001		
2A	NFPV32S1002	NFPV50S1002	
3A	NFPV32S1003	NFPV50S1003	
4A	NFPV32S1004	NFPV50S1004	
5A	NFPV32S1005	NFPV50S1005	
6A	NFPV32S1006	NFPV50S1006	
8A	NFPV32S1008	NFPV50S1008	NFPV50S1408
10A	NFPV32S1010	NFPV50S1010	NFPV50S1410
12A	NFPV32S1012	NFPV50S1012	NFPV50S1412
15A	NFPV32S1015	NFPV50S1015	NFPV50S1415
16A	NFPV32S1016	NFPV50S1016	NFPV50S1416
20A	NFPV32S1020	NFPV50S1020	NFPV50S1420
25A	NFPV32S1025	NFPV50S1025	NFPV50S1425
30A	NFPV32S1030	NFPV50S1030	NFPV50S1430
32A	NFPV32S1032	NFPV50S1032	NFPV50S1432
35A			NFPV50S1435
40A			NFPV50S1440
45A			NFPV50S1445
50A			NFPV50S1450

Overall and Installation Dimension(mm)

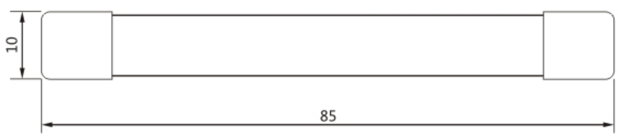
NFPV-32(L)PV-10



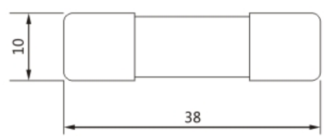
NFPV-50PV-10L/NFPV-50PV-14L



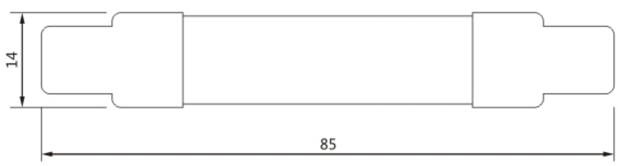
NFPV50S10L

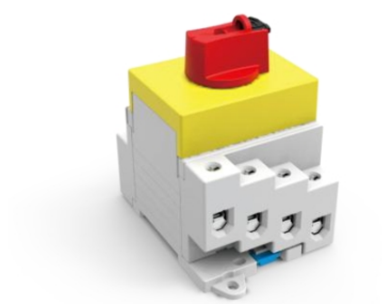


NFPV32S10



NFPV50S14L

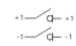
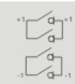




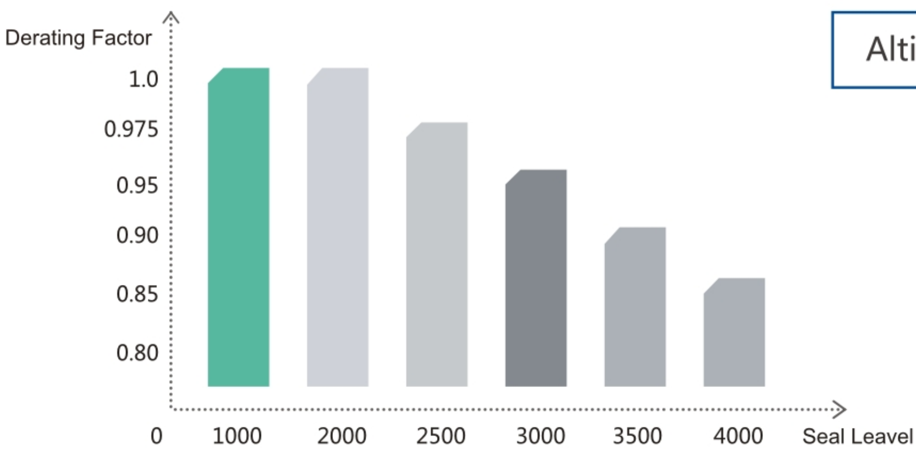
Description

- Parallel wiring,larger aperture,much easier wiring.
- Suitable for distribution box module with lock installation.
- Arc extinction time less than 3ms.
- Modular design. 2 poles & 4 poles optional.
- Comply with IEC60947-3(ed.3.2): 2015, DC-PV1 standard.

Technical Data

Data according to IEC60947-3(ed.3.2): 2015, GB 14048.3. Utilization category DC-PV1/DC-PV2								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	NISP-DB32-2	
58	58	58	45	23	16	13	7	4	1	NISP-DB32-2H	
32	32	32	32	23	16	13	7	4	2	NISP-DB32-4	
32	32	32	32	32	32	32	23	4	1	NISP-DB32-4S	
32	32	32	32	32	32	32	23	4	1	NISP-DB32-4B	
32	32	32	32	32	32	32	23	4	1	NISP-DB32-4T	

Altitude Derating Curve

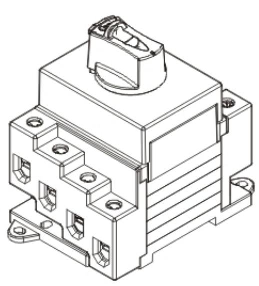


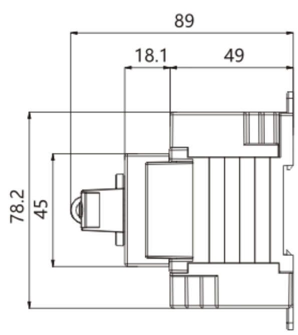
Technical Data

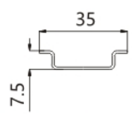
Data according to IEC60947-3(ed.3.2):2015,UL508i,GB14048.3. Utilization category DC-PV1/DC-PV2.

Main Parameters			NISP1-DB32	
Rated insulation voltage	U_i	V	1500	
Rated thermal current	I_{the}	A	32	
Rated impulse withstand voltage	U_{imp}	V	8000	
Rated short-circuit making capacity	I_{cm}	A	2H	1700
			2,4	1000
			2H	1700
Rated conditional short-circuit current	I_{cc}	A	5000	
Max. fuse size	g(gG)	A	80	
Maximum cable cross sections (incl. jumper)				
Solid or standard		mm^2	4-16	
Flexible		mm^2	4-10	
Flexible(+ multicore cable end)		mm^2	4-10	
Torque				
Tightening torque terminal screwsM4.		Nm	1.2-1.8	
Tightening torque knob screwsM3		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		℃	-40 to+70	
Storage temperature		℃	-40 to+85	
Pollution degree			2	
Overvoltage category			III	
IP rating of shafte and mounting nut			IP66	

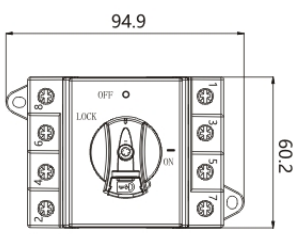
Overall and Installation Dimension (mm)

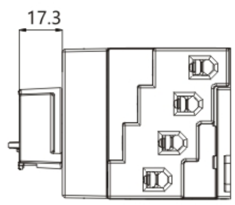


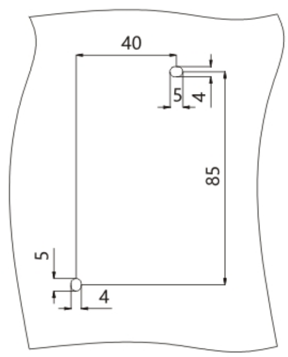




Installation size of switchbottom guide





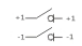
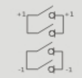
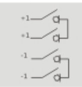


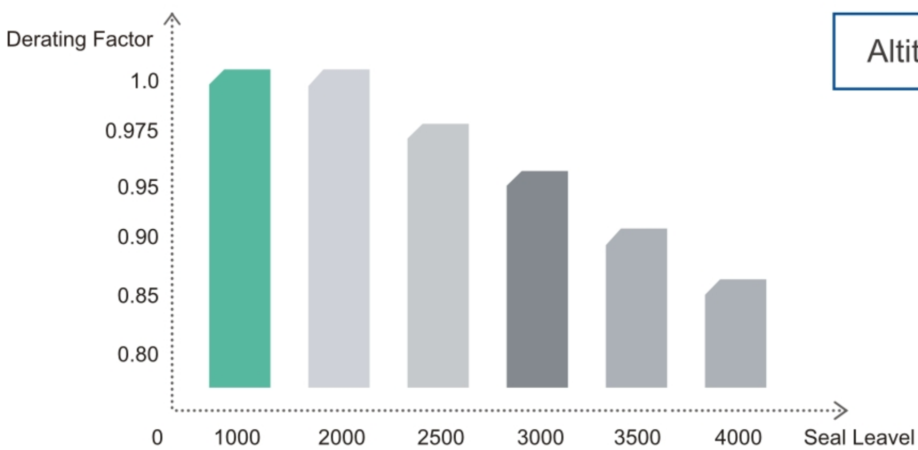
Screw installation size

Description

- Parallel wiring, larger aperture, much easier wiring.
- Suitable for door lock installation.
- Arc extinction time lessthan 3ms.
- Modular design. 2 poles & 4 poles optional.
- Comply with IEC60947-3(ed.3.2):2015,DC-PV1standard.

Technical Data

Data according to IEC60947-3(ed.3.2):2015,GB14048.3. Utilization category DC-PV1/DC-PV2								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	NISP1-DC32-2	
58	58	58	45	23	16	13	7	4	1	NISP1-DC32-2H	
32	32	32	32	23	16	13	7	4	2	NISP1-DC32-4	
32	32	32	32	32	32	32	23	4	1	NISP1-DC32-4S	
32	32	32	32	32	32	32	23	4	1	NISP1-DC32-4B	
32	32	32	32	32	32	32	23	4	1	NISP1-DC32-4T	



Altitude Derating Curve

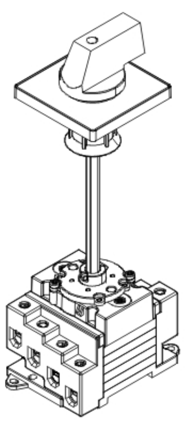
Enclosure DC Isolator ---------- Standard-IEC60947-3

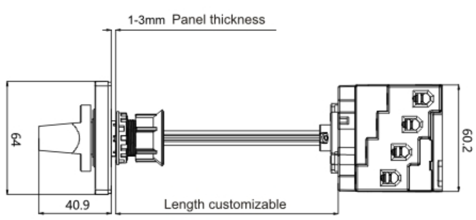
Technical Data

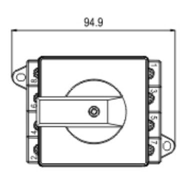
Data according to IEC60947-3(ed.3.2):2015,UL508i,GB14048.3.Utilization category DC-PV1/DC-PV2.

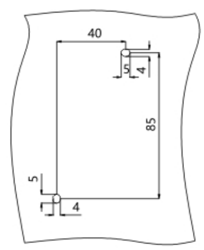
Main Parameters			NISP1-DC32	
Rated insulation voltage	U_i	V	1500	
Rated thermal current	I_{the}	A	32	
Rated impulse withstand voltage	U_{imp}	V	8000	
Rated short-circuitmakingcapacity	I_{cm}	A	2H	1700
			2,4	1000
			2H	1700
Rated conditional short-circuit current	I_{cc}	A	5000	
Max.fuse size	g_L(gG)	A	80	
Maximum cable cross sections (incl. jumper)				
Solid or standard		mm^2	4-16	
Flexible		mm^2	4-10	
Flexible(+ multicore cable end)		mm^2	4-10	
Torque				
Tightening torque terminal screws M4.		Nm	1.2-1.8	
Tightening torque panel mounting screws ST4.2(304stainlesssteel)		Nm	0.8-0.9	
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			B 	
Knob positions			OFF at 12 hr, ON at 3 hr	
Mechanical life			10000	
Number of DC poles			2 or 4	
Operation temperature		℃	-40 to+70	
Storage temperature		℃	-40 to+85	
Pollution degree			2	
Overvoltage category			III	
Iprating of shafte and mounting nut			IP66	

Overall and Installation Dimension(mm)

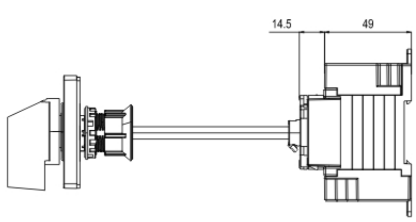


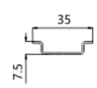




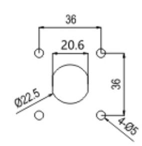


Screw installation size





Installation size of switch bottom guide



Head panel installation size

NISP-DC32

Enclosure DC Isolator ---------- Standard - IEC60947-3

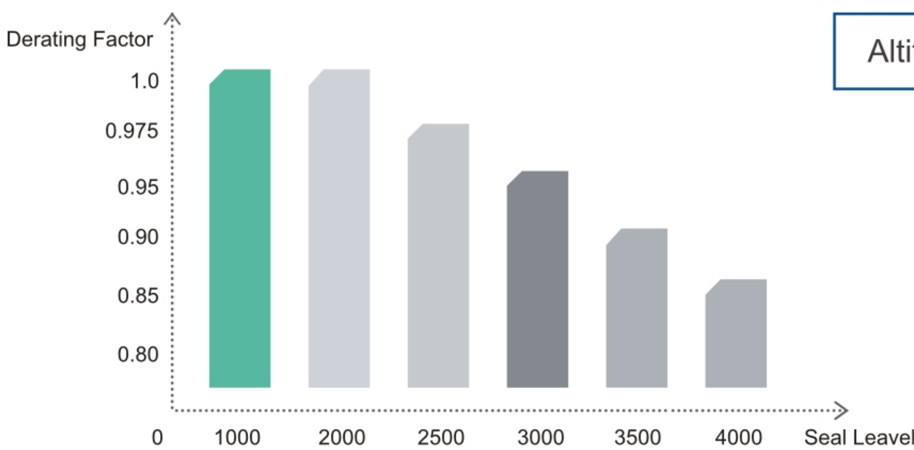
Description

- Parallel wiring, larger aperture, much easier wiring.
- Suitable for door lock installation.
- Arc extinction time less than 3ms.
- Modular design.2 poles & 4 poles optional.
- The handle locked in "OFF" position.
- Comply with IEC60947-3(ed.3.2):2015,DC-PV1 standard.

Technical Data

Data according to IEC60947-3(ed.3.2):2015,GB14048.3. Utilization category DC-PV1/DC-PV2								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	NISP1-DC32R-2	
58	58	58	45	23	16	13	7	4	1	NISP1-DC32R-2H	
32	32	32	32	23	16	13	7	4	2	NISP1-DC32R-4	
32	32	32	32	32	32	32	23	4	1	NISP1-DC32R-4S	
32	32	32	32	32	32	32	23	4	1	NISP1-DC32R-4B	
32	32	32	32	32	32	32	23	4	1	NISP1-DC32R-4T	

Altitude Derating Curve

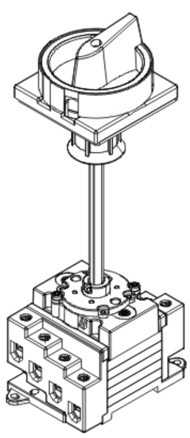


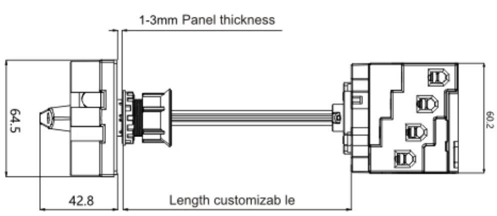
Technical Data

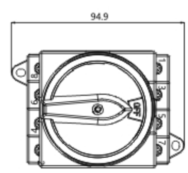
Data according to IEC60947-3(ed.3.2):2015,UL508i,GB14048.3.Utilization categoryDC-PV1/DC-PV2.

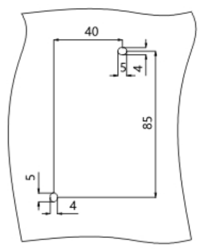
Main Parameters			NISP1-DC32R	
Rated insulation voltage	U_i	V	1500	
Rated thermal current	I_{the}	A	32	
Rated impulse withstand voltage	U_{imp}	V	8000	
Rated short-circuit making capacity	I_{cm}	A	2H	1700
			2,4	1000
			2H	1700
Rated conditional short-circuit current	I_{cc}	A	5000	
Max.fuse size	g(gG)	A	80	
Maximum cable cross sections (incl. jumper)				
Solid or standard		mm^2	4-16	
Flexible		mm^2	4-10	
Flexible (+ multicore cable end)		mm^2	4-10	
Torque				
Tightening torque terminal screws M4.		Nm	1.2-1.8	
Tightening torque panel mounting screws ST4.2(304 stainless steel)		Nm	0.8-0.9	
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			C	
				
Knob positions			OFF at 12 hr, ON at 3 hr	
Mechanical life			10000	
Number of DCpoles			2 or 4	
Operation temperature		℃	-40 to+70	
Storage temperature		℃	-40 to+85	
Pollution degree			2	
Overvoltage category			III	
IP rating of shafte and mounting nut			IP66	

Overall and Installation Dimension(mm)

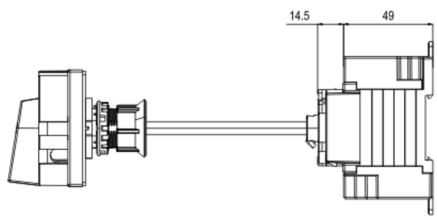


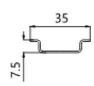




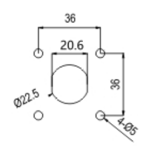


Screw installation size





Installation size of switch bottom guide

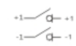
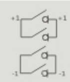
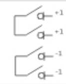


Head panel installation size

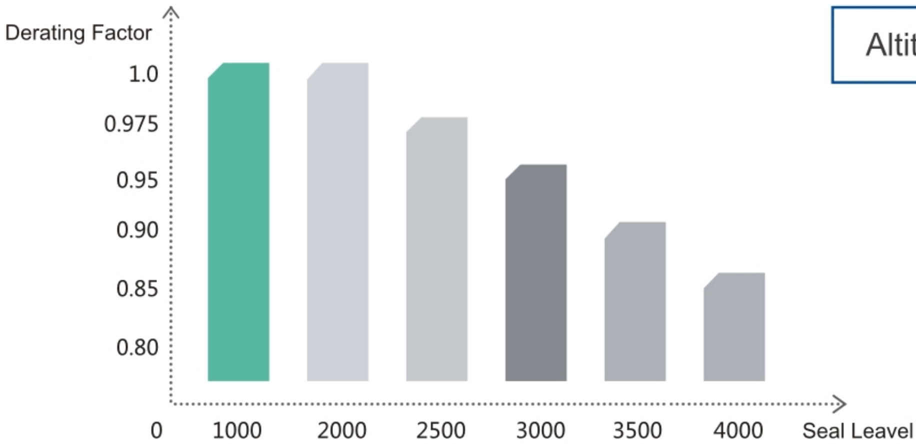
Description

- Parallel wiring,larger aperture,much easier wiring.
- Suitable for panel mounting.
- Arc extinction time less than 3ms.
- Modular design. 2 poles & 4 poles optional.
- Comply with IEC60947-3(ed.3.2):2015,DC-PV1 standard.

Technical Data

Data according to IEC60947-3(ed.3.2):2015,GB14048.3. Utilization category DC-PV1/DC-PV2								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	NISP1-PM32-2	
58	58	58	45	23	16	13	7	4	1	NISP1-PM32-2H	
32	32	32	32	23	16	13	7	4	2	NISP1-PM32-4	
32	32	32	32	32	32	32	23	4	1	NISP1-PM32-4S	
32	32	32	32	32	32	32	23	4	1	NISP1-PM32-4B	
32	32	32	32	32	32	32	23	4	1	NISP1-PM32-4T	

Altitude Derating Curve

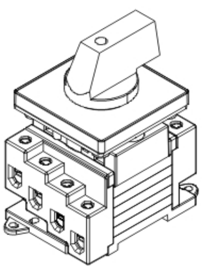


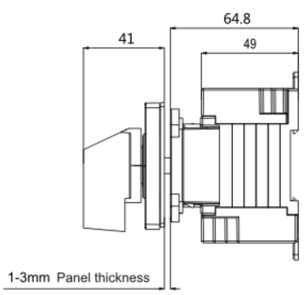
Technical Data

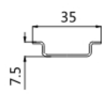
Data according to IEC60947-3(ed.3.2):2015,UL508i,GB14048.3.Utilization category DC-PV1/DC-PV2.

Main Parameters			NISP1-PM32	
Rate dinsulation voltage	U_i	V	1500	
Rate dthermal current	I_{the}	A	32	
Rate dimpulse withstand voltage	U_{imp}	V	8000	
Rated short-circuit making capacity	I_{cm}	A	2H	1700
			2,4	1000
			2H	1700
Rated conditional short-circuit current	I_{cc}	A	5000	
Max.fuse size	g_L(gG)	A	80	
Maximum cable cross sections (incl. jumper)				
Solid or standard		mm^2	4-16	
Flexible		mm^2	4-10	
Flexible (+multicore cable end)		mm^2	4-10	
Torque				
Tightening torque terminal screws M4.		Nm	1.2-1.8	
Tightening torque panel mounting screws ST4.2 (304 stainless steel)		Nm	0.8-0.9	
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			B 	
Knob positions			OFF at 12hr, ON at 3hr	
Mechanical life			10000	
Number of DC poles			2 or 4	
Operation temperature		℃	-40 to+70	
Storage temperature		℃	-40 to+85	
Pollution degree			2	
Overvoltage category			III	
IP rating of shafte and mounting nut			IP66	

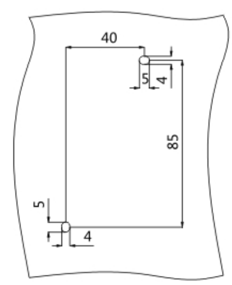
Overall and Installation Dimension (mm)



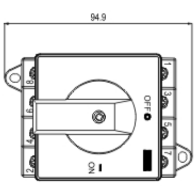


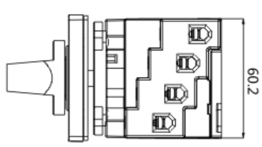


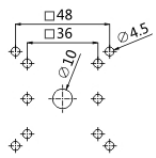
Installation size of switch bottom guide



Screw installation size







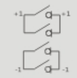
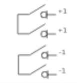
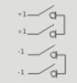
Head panel installation size

The three installation methods in the figure:
A:4hole,c enter distance 48(no gasket)
B:4hole,c enter distance 36(4hole gasket)
C:2hole,c enter distance 36(2hole gasket)

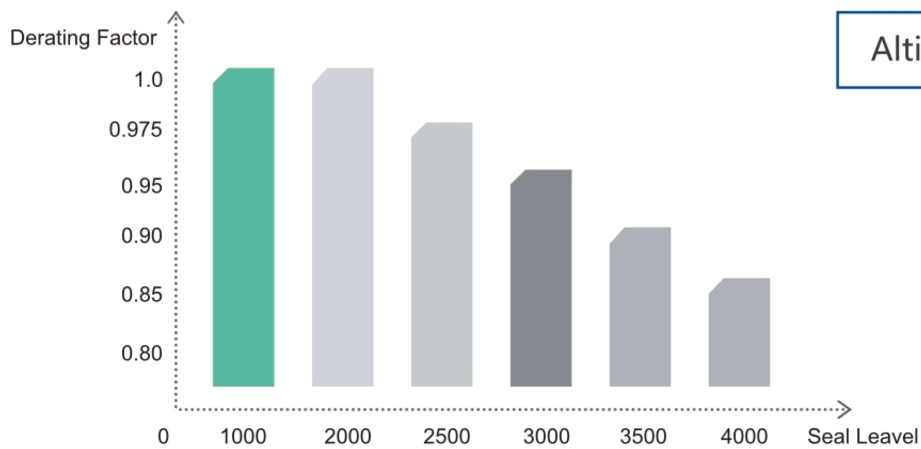
Description

- Parallel wiring,larger aperture,much easier wiring.
- Suitable for panel mounting.
- Arc extinction time lessthan 3ms.
- Modular design. 2poles & 4 poles optional.
- The handle lockel in "OFF" position.
- Comply with IEC60947-3(ed.3.2):2015,DC-PV1 standard.

Technical Data

Data according to IEC60947-3(ed.3.2):2015,GB14048.3. Utilization category DC-PV1/DC-PV2								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	NISP1-PM32R-2	
58	58	58	45	23	16	13	7	4	1	NISP1-PM32R-2H	
32	32	32	32	23	16	13	7	4	2	NISP1-PM32R-4	
32	32	32	32	32	32	32	23	4	1	NISP1-PM32R-4S	
32	32	32	32	32	32	32	23	4	1	NISP1-PM32R-4B	
32	32	32	32	32	32	32	23	4	1	NISP1-PM32R-4T	

Altitude Derating Curve

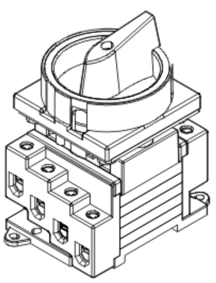


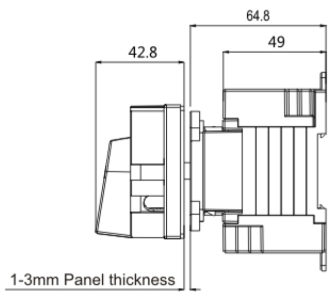
Technical Data

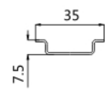
Data according to IEC 60947-3(ed.3.2):2015,UL508i,GB14048.3.Utilization category DC-PV1/DC-PV2.

Main Parameters			NISP1-PM32R	
Rated insulation voltage	U_i	V	1500	
Rated thermal current	I_{the}	A	32	
Rated impulse withstand voltage	U_{imp}	V	8000	
Rated short-circuit making capacity	I_{cm}	A	2H	1700
			2,4	1000
			2H	1700
Rated conditional short-circuit current	I_{cc}	A	5000	
Max.fuse size	g_L(gG)	A	80	
Maximum cable cross sections (incl.jumper)				
Solid or standard		mm^2	4-16	
Flexible		mm^2	4-10	
Flexible(+multicore cableend)		mm^2	4-10	
Torque				
Tightening torque terminal screws M4.		Nm	1.2-1.8	
Tightening torque panel mounting screws ST4.2(304stainless steel)		Nm	0.8-0.9	
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			C 	
Knob positions			OFF at 12hr, ON at 3hr	
Mechanical life			10000	
Number of DC poles			2or4	
Operation temperature		℃	-40to+70	
Storage temperature		℃	-40to+85	
Pollution degree			2	
Overvoltage category			III	
IP rating of shafte and mounting nut			IP66	

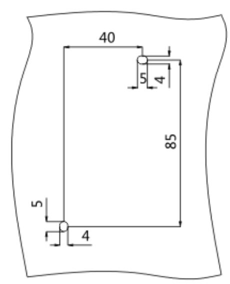
Overall and Installation Dimension (mm)



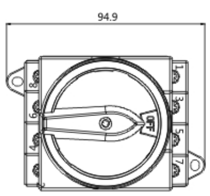


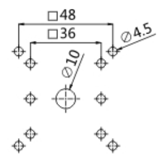


Installation size of switch bottom guide



Screw installation size





Head panel installation size

The three installa tionmethods in the figure:
A:4hole,c enter distance 48(no gasket)
B:4hole,c enter distance 36(4hole gasket)
C:2hole,c enter distance 36(2hole gasket)

NISP1EL32

Enclosure DC Isolator-- Standard-IEC60947-3

Description

IP66 box-type design:

- Screw fixing doesn't interfere with the sealing performance;
- Multiple mechanical seals around the shaft guarantee the reliability of a waterproof and moisture-proof design;
- Stainless steel rotary screw does not rust nor damp;
- Standard cable interface available with seal rings;
- Internal sealing in top and bottom covers,combined with 2 screws, guarantee an IP66 protection degree;

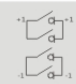
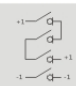
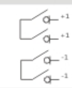
SAFE-LOCK with three rotational positions,reducing the risk of tampering.

The isolator is compatible with various cables: M25,M20,M16, and M12, and with optional waterproof cable joints and NMC4 joints.

Characteristics of theintegration inside the on/of switch:

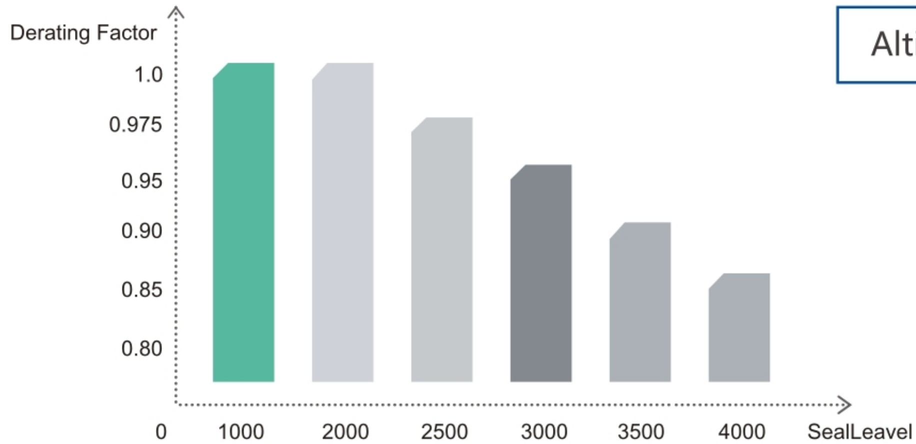
- Compact structure,with optional 2 or 4 DC poles;
- Incorporating a user independent switching action, spring mechanism, to ensure a very fast break/make action,ensuring that the disconnection of the load circuits and suppression of the arc normally occurs within 5ms.
- Self-cleaning contact mechanism,reducing power loss and abrasion, improving the conduction performance,reducing the resistance and energy loss of the switch,extending the on-off lifecycle.
- Double arc extinguishing mechanism,magnetic and arc chutes, restrain the arceficiency, especially DC arcs.

Technical Data

Data according to IEC60947-3(ed.3.2):2015,GB14048.3. Utilization category DC-PV1/DC-PV2								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	NISP1EL32R-2	
58	58	58	45	23	16	13	7	4	1	NISP1EL32R-2H	
32	32	32	32	23	16	13	7	4	2	NISP1EL32R-4	
32	32	32	32	32	32	32	23	4	1	NISP1EL32R-4S	
32	32	32	32	32	32	32	23	4	1	NISP1EL32R-4B	
32	32	32	32	32	32	32	23	4	1	NISP1EL32R-4T	

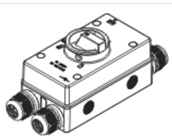
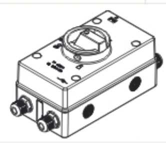
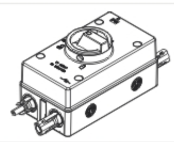
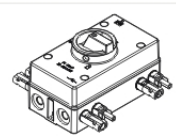
Technical Data

Altitude Derating Curve

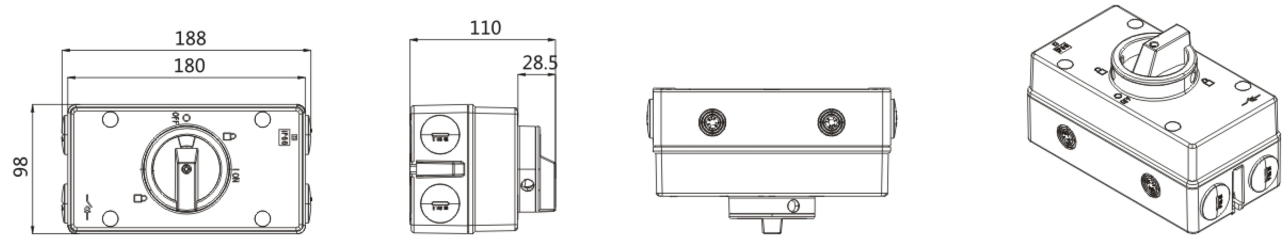


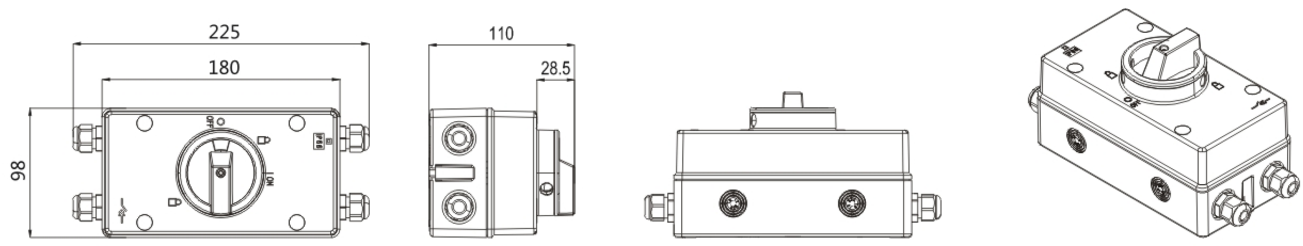
Data according to IEC60947-3(ed.3.2):2015,UL508i,GB14048.3. Utilization category DC-PV1/DC-PV2.

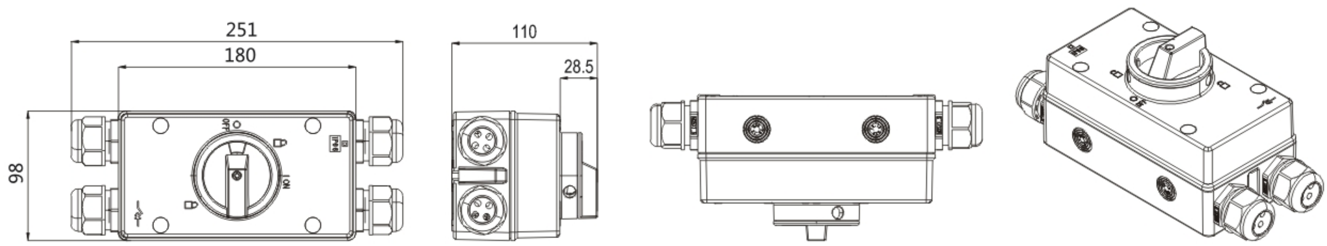
Main Parameters			NISP1EL32R	
Rated insulation voltage	U_i	V	1500	
Rated thermal current	I_{the}	A	32	
Rated impulse withstand voltage	U_{imp}	V	8000	
Rated short-circuit making capacity	I_{cm}	A	2H	1700
			2,4	1000
Rated conditional short-circuit current	I_{cc}	A	5000	
Max.fuse size	g_L(gG)	A	80	
Maximum cable cross sections (incl. jumper)				
Solid or standard		mm^2	4-16	
Flexible		mm^2	4-10	
Flexible(+multicore cable end)		mm^2	4-10	
Torque				
Tightening torque terminal screws M4.		Nm	1.2-1.8	
Tightening torque panel mounting screws ST4.2 (304 stainless steel)		Nm	1.5-2.0	
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			Wall-mounted or screw installation	
Type of knob			C 	
Knob positions			OFF at 9hr,ON at 12hr	
Mechanical life			10000	
Number of DC poles			2 or 4	
Distance of contacts(perpole)			8	
Operation temperature		℃	-40 to+70	
Storage temperature		℃	-40 to+85	
Pollution degree			2	
Overvoltage category			III	
Iprating of shafte and mounting nut			IP66	

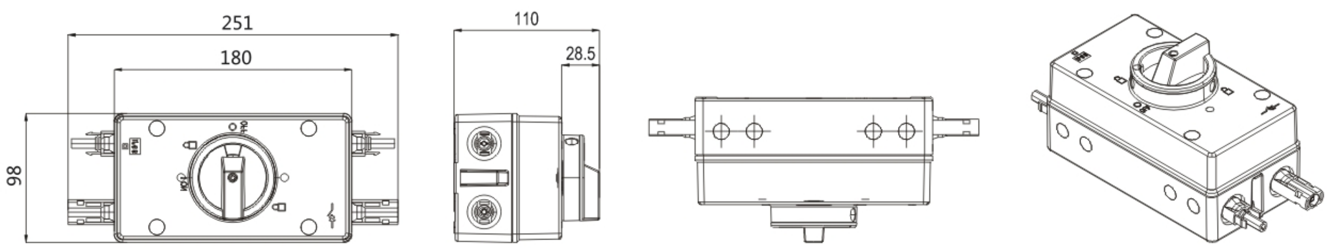
Types					
Specs	M25 Waterproof Cap	Cable Gland M25	Cable Gland M16	2 NMC4/H4(Optional)	4 NMC4/H4(Optional)
Independent Strings	1 or 2	1 or 2	1	1	1
Recommend Types	ALL	ALL	2/2H/4S/4T/4B	2/2H/4S/4T/4B	4

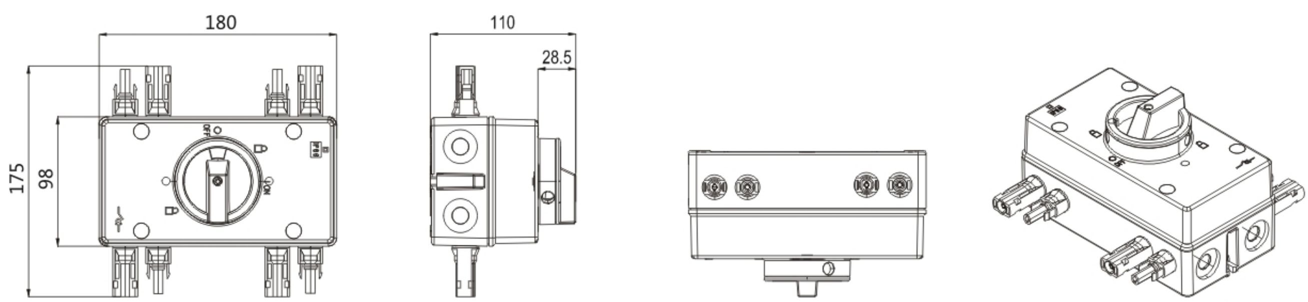
Overall and Installation Dimension(mm)

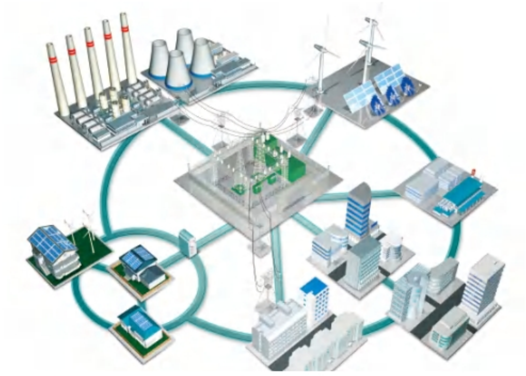












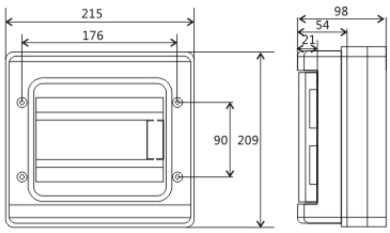
Description

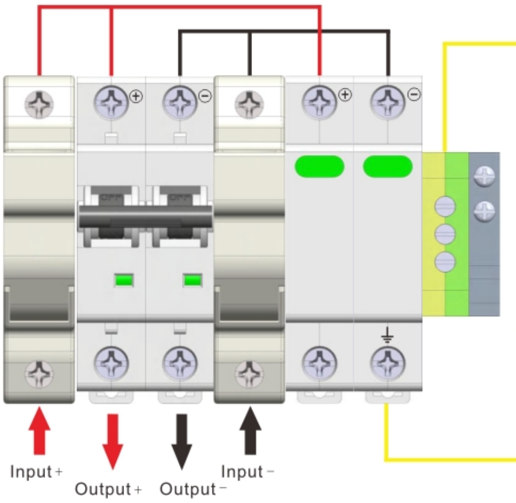
Features

- Finger-safe fuse holders
- IP65Box with P olicarbonate material with Anti UV
- 5 Years warranty standard

Options

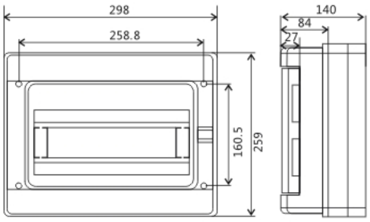
- AC switch off,DC will switch off Automatically (optional)
- 1~36 strings boxes available
- 1500V components available
- Customizable Upon Request

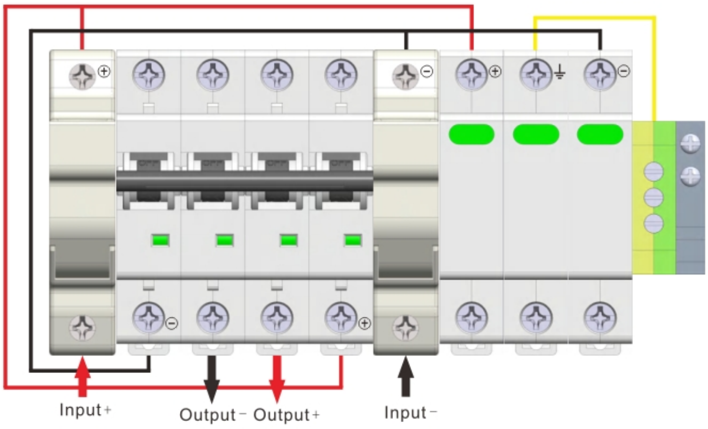




1 String Input 1 String Output DC 500V

Type	NBPV1/1-500-M	Quantity
Enclosurer of Box	NHA-8 ways	1
DC SPD	NS1-PV40-T2-2M 600	1
DC MCB	NKC1-63DC-220 2P 500V DC	1
DC Fuse with Link	NFPV-32PV-10-1P 12A1000V	2

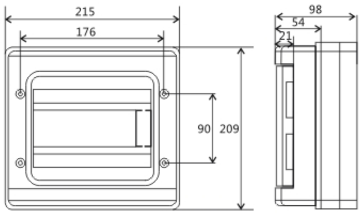




1 String Input 1 String Output DC 1000V

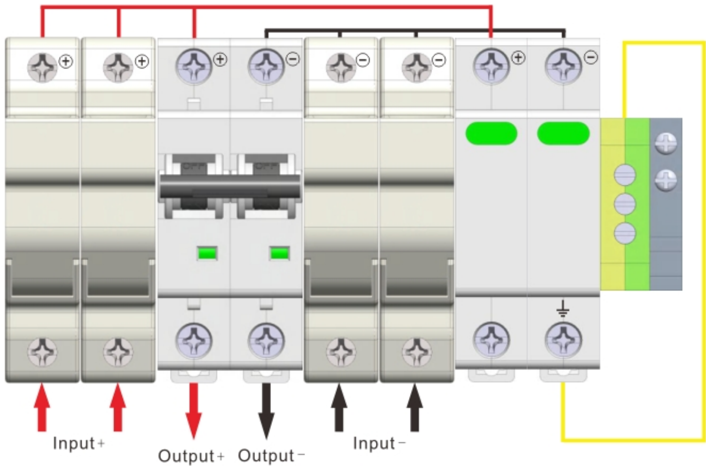
Type	NBPV1/1-1000-M	Quantity
Enclosurer of Box	NHA-12 ways	1
DC SPD	NS1-PV40-T2-3M 1000	1
DC MCB	NKC1-63DC-420 4P 1000V DC	1
DC Fuse with Link	NFPV-32PV-10-1P 12A1000V	2

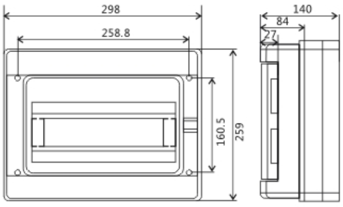
Combiner Box



2 String Input 1 String Output DC 500V

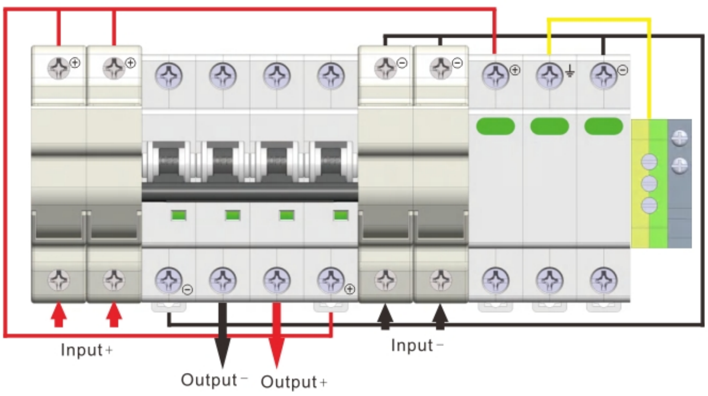
Type	NBPV2/1-500-M	Quantity
Enclosurer of Box	NHA-8 ways	1
DC SPD	NS1-PV40-T2-2M600	1
DC MCB	NKC1-63DC-232 2P 500V DC	1
DC Fuse with Link	NFPV-32PV-10-1P 12A1000V	4

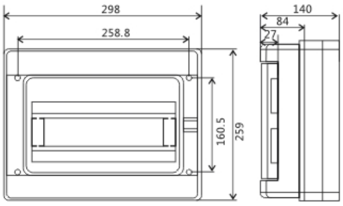




2 String Input 1 String Output DC 1000V

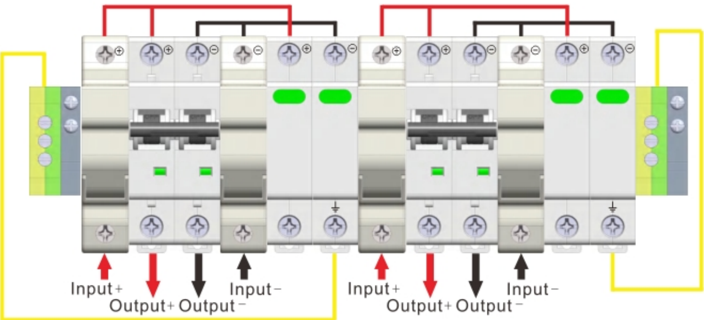
Type	NBPV2/1-1000-M	Quantity
Enclosurer of Box	NHA-12 ways	1
DC SPD	NS1-PV40-T2-3M1000	1
DC MCB	NKC1-63DC-432 4P 1000V DC	1
DC Fuse with Link	NFPV-32PV-10-1P 12A1000V	4





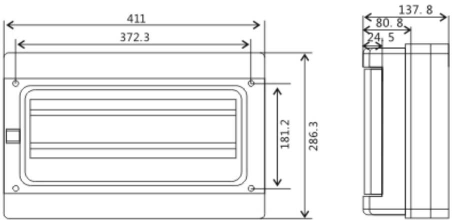
2 String Input 2 String Output DC 500V

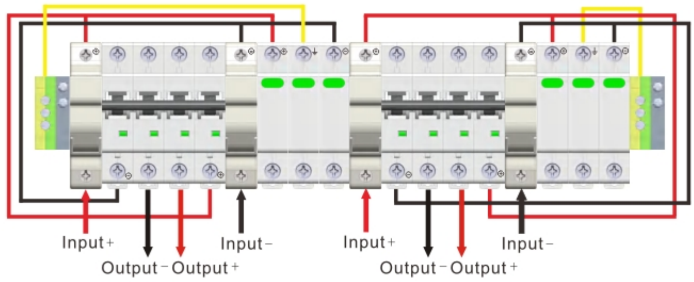
Type	NBPV2/2-500-M	Quantity
Enclosurer of Box	NHA-12 ways	1
DC SPD	NS1-PV40-T2-2M 600	2
DC MCB	NKC1-63DC-220 2P 500V DC	2
DC Fuse with Link	NFPV-32PV-10-1P 12A1000V	4



NBPV-2/2

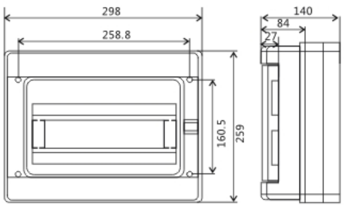
Combiner Box

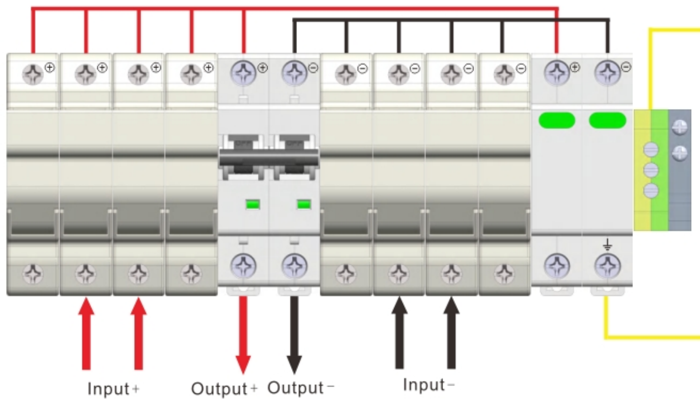




2 String Input 2 String Output DC 1000V

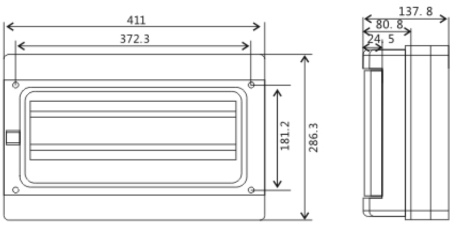
Type	NBPV-2/2-1000-M	Quantity
Enclosurer of Box	NHA-18ways	1
DC SPD	NS1-PV40-T2-3M 1000	2
DC MCB	NKC1-63DC-425 4P 1000V DC	2
DC FusewithLink	NFPV-32PV-10-1P 12A1000V	4

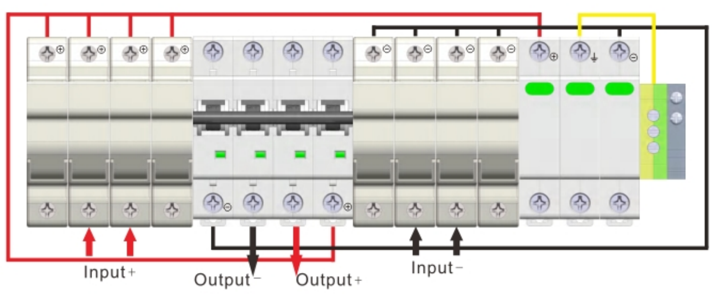




4 StringInput 1 String Output DC 500V

Type	NBPV4/1-500-M	Quantity
Enclosurer of Box	NHA-12 ways	1
DC SPD	NS1-PV40-T2-2M 600	1
DC MCB	NKC1-63DC-240 2P 500V DC	1
DC Fuse with Link	NFPV-32PV-10-1P 12A1000V	8

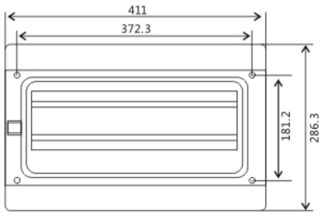


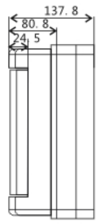


4 String Input 1 String Output DC 1000V

Type	NBPV4/1-1000-M	Quantity
Enclosurer of Box	NHA-18 ways	1
DC SPD	NS1-PV40-T2-3M 1000	1
DC MCB	NKC1-63DC-450 4P 1000V DC	1
DC Fuse with Link	NFPV-32PV-10-1P 12A1000V	8

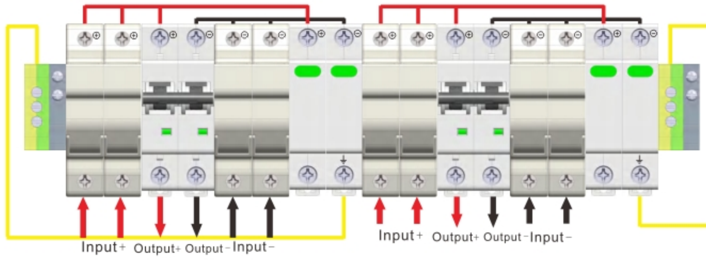
Combiner Box

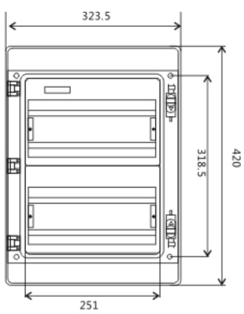


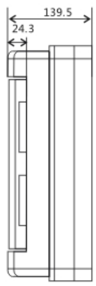


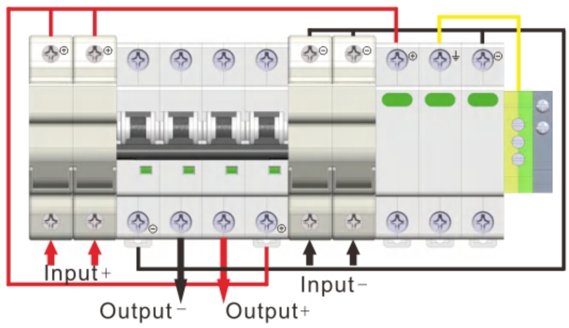
4 String Input 2 String Output DC 500V

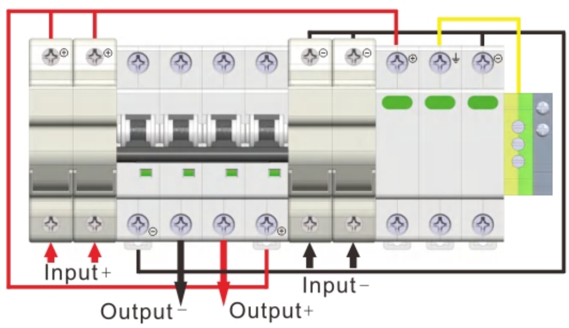
Type	NBPV4/2-500-M	Quantity
Enclosurer of Box	NHA-18 ways	1
DC SPD	NS1-PV40-T2-2M 600	2
DC MCB	NKC1-63DC-240 2P 500V DC	2
DC Fuse with Link	NFPV-32PV-10-1P 12A1000V	8





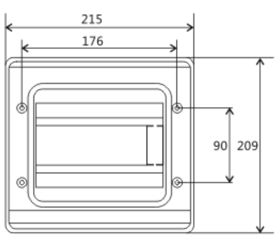


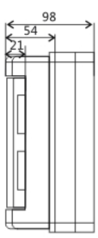


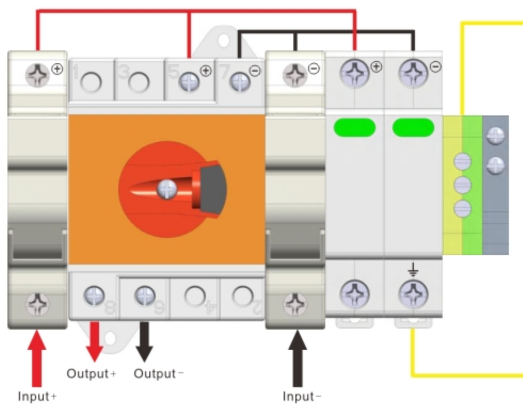


4 String Input 2 String Output DC 1000V

Type	NBPV-4/2-1000-M	Quantity
Enclosurer of Box	NHA-26 ways	1
DC SPD	NS1-PV40-T2-3M1000	2
DC MCB	NKC1-63DC-432 4P 1000V DC	2
DC Fuse with Link	NFPV-32PV-10-1P 12A1000V	8

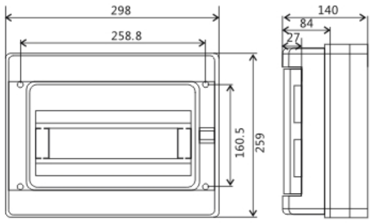


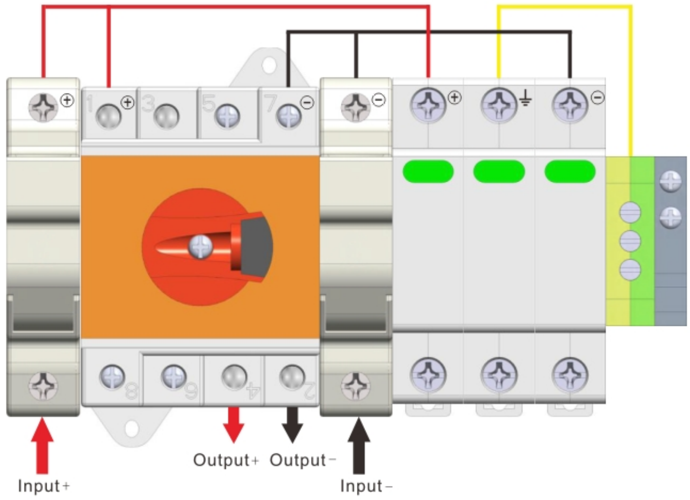




1 String Input 1 String Output DC 600V

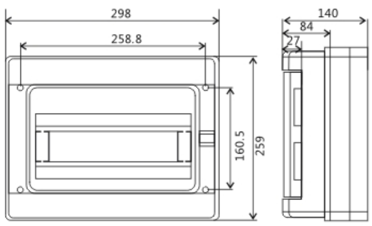
Type	NBPV1/1-600-I	Quantity
Enclosurer of Box	NHA-8 ways	1
DC SPD	NS1-PV40-T2-2M600	1
DC Isolator	NISP-DB32-2	1
DC Fuse with Link	NFPV-32PV-10-1P 12A1000V	2

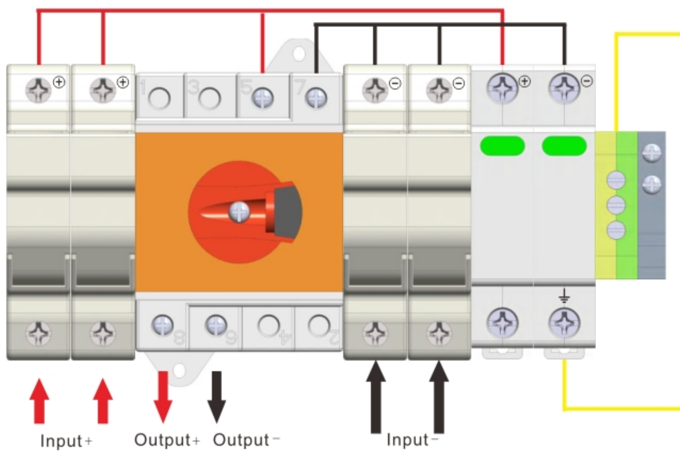




1 String Input 1 String Output DC 1000V

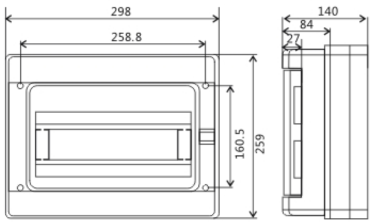
Type	NBPV-1/1-1000-I	Quantity
Enclosurer of Box	NHA-12 ways	1
DC SPD	NS1-PV40-T2-3M1000	1
DC Isolator	NISP-DB32-4S	1
DC Fuse with Link	NFPV-32PV-10-1P 12A1000V	2

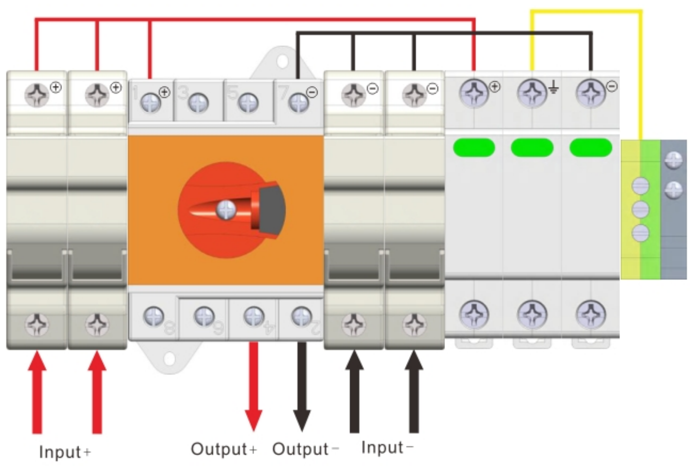




2 StringInput 1 String Output DC 600V

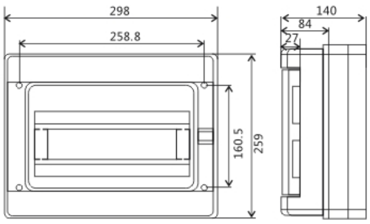
Type	NBPV-2/1-600-I	Quantity
Enclosurer of Box	NHA-12 ways	1
DC SPD	NS1-PV40-T2-2M600	1
DC Isolator	NISP-DB32-2	1
DC Fuse with Link	NFPV-32PV-10-1P 12A1000V	4

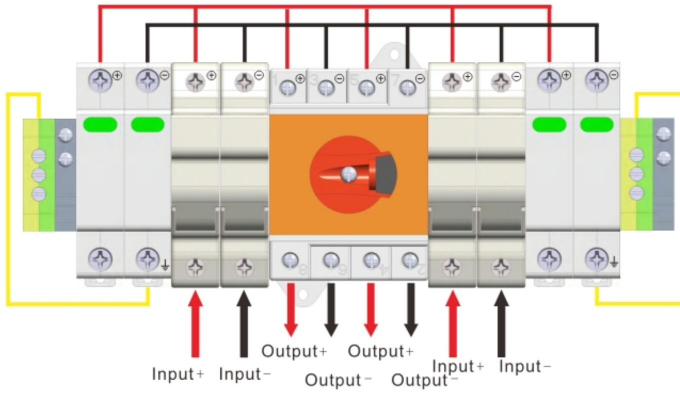




2 StringInput 1 String Output DC 1000V

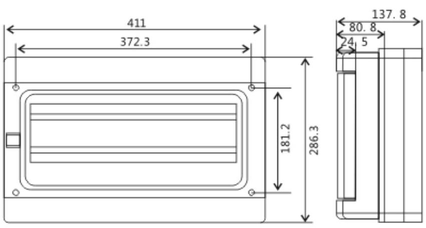
Type	NBPV-2/1-1000-I	Quantity
Enclosurer of Box	NHA-12 ways	1
DC SPD	NS1-PV40-T2-3M1000	1
DC Isolator	NISP-DB32-4S	1
DC Fuse with Link	NFPV-32PV-10-1P 12A1000V	4

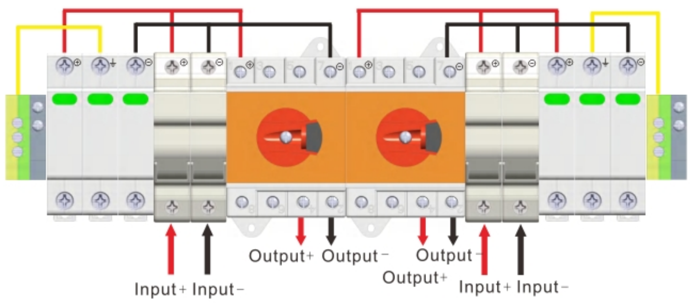




2 String Input 2 String Output DC 500V

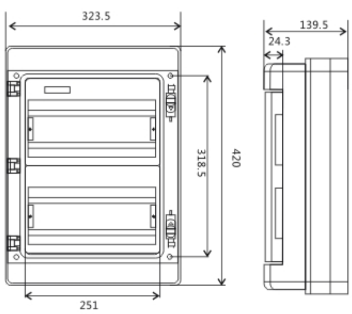
Type	NBPV2/2-500-I	Quantity
Enclosurer of Box	NHA-12 ways	1
DC SPD	NS1-PV40-T2-2M500	2
DC Isolator	NISP-DB32-4	1
DC Fuse with Link	NFPV-32PV-10-1P 12A1000V	4

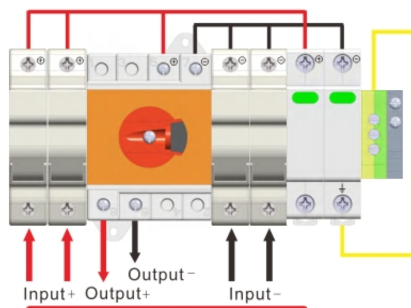


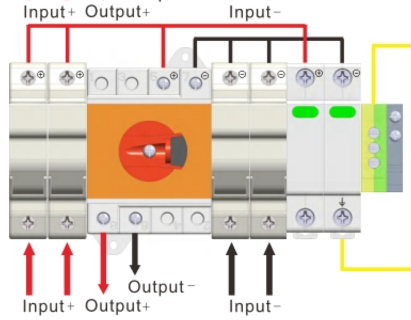


2 String Input 2 String Output DC 1000V

Type	NBPV2/2-1000-I	Quantity
Enclosurer of Box	NHA-18 ways	1
DC SPD	NS1-PV40-T2-3M1000	2
DC Isolator	NISP-DB32-4	2
DC Fuse with Link	NFPV-32PV-10-1P 12A1000V	4



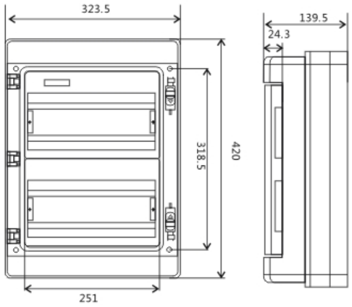


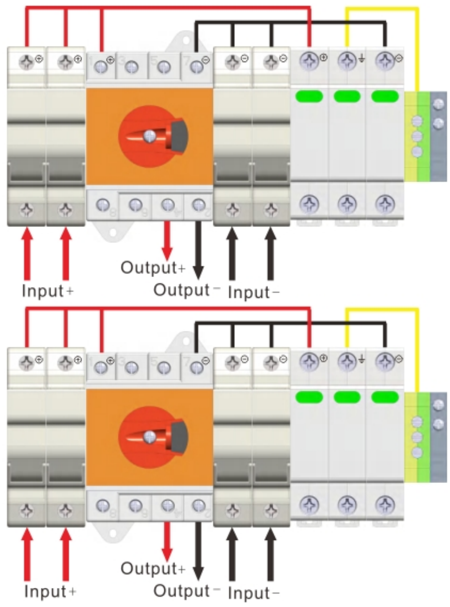


4 String Input 2 String Output DC 800V

Type	NBPV4/2-800-I	Quantity
Enclosurer of Box	NHA-26 ways	1
DC SPD	NS1-PV40-T2-2M800	2
DC Isolator	NISP-DB32-4	2
DC Fuse with Link	NFPV-32PV-10-1P 12A1000V	8

Combiner Box





4 String Input 2 String Output DC 1000V

Type	NBPV4/2-1000-I	Quantity
Enclosurer of Box	NHA-26ways	1
DC SPD	NS1-PV40-T2-3M1000	2
DC Isolator	NISP-DB32-4S	2
DC Fuse with Link	NFPV-32 PV-10-1P 15A1000V	8

Description

Anson wall-mounted injection molding sealed box series products are made of impact-resistant polycarbonate PC or ABS material injection molding, and its air tightness can be applied to harsh and harsh industrial environments, protection, etc. The class can reach IP65; the cabinet can be equipped with related accessories, which can be easily installed horizontally or vertically as required. The front panel（insidedoor）can also be installed. The bottom panel can be made of plastic or metal. This product can be widely used in photovoltaic solar energy, Petrochemical steel mines,subway tunnels and other areas with harsh environments.

Mode Imeaning of FRP plastic sealed box

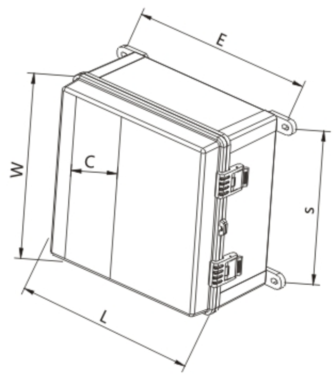
NHS G P □ 60 50 22 H

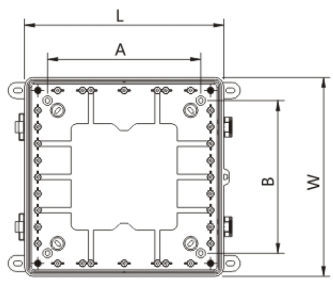
- H: Horizontal Z:Vertical
- High: D*10
- Width: W*10
- Length: L*10
- P: PC A: ABS
- Cover color G: gray T:transparent
- Anxele Plastic Box

Main Technical Data

Model No.		Dimension(mm)					
		Length	width	height	Available depth	Base plate installation	Wall installation
PC	ABS	L	W	D	C	B x A	E x S
NHS(T)P-605022H	NHS(T)A-605022H	600	500	220	148	560× 460	560× 515
NHS(T)P-605022Z	NHS(T)A-605022Z	600	500	220	148	560× 460	615× 460
NHS(T)P-604022H	NHS(T)A-604022H	600	400	220	148	560× 360	560× 415
NHS(T)P-604022Z	NHS(T)A-604022Z	600	400	220	148	560× 360	615× 360
NHS(T)P-504020H	NHS(T)A-504020H	500	400	200	128	460× 360	460× 415
NHS(T)P-504020Z	NHS(T)A-504020Z	500	400	200	128	460× 360	515× 360
NHS(T)P-403017H	NHS(T)A-403017H	400	300	170	109	360× 260	360× 315
NHS(T)P-403017Z	NHS(T)A-403017Z	400	300	170	109	360× 260	415× 260
NHS(T)P-3030170	NHS(T)A-3030170	300	300	170	109	260× 260	315× 260
NHS(T)P-302017H	NHS(T)A-302017H	300	200	170	109	260× 160	260× 215
NHS(T)P-302017Z	NHS(T)A-302017Z	300	200	170	109	260× 160	315× 160

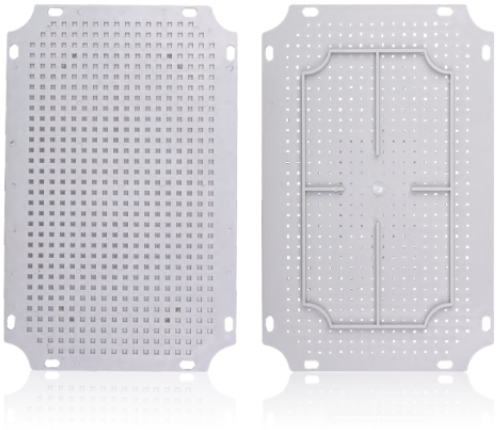
L	outer height
W	outer width
Z	outer depth
C	available depth
B	bottom plate installation
A	base plate installation
E	wall installation
S	wall installation





Applicable accessories

Name
Plastic box mounting feet



Name
Plastic box with plastic bottom plate suitable for 300 × 200 × 170
Plastic box with plastic bottom plate suitable for 300 × 300 × 170
Plastic box with plastic bottom plate suitable for 400 × 300 × 170
Plastic box with plastic bottom plate suitable for 500 × 400 × 200
Plastic box with plastic bottom plate suitable for 600 × 400 × 220
Plastic box with plastic bottom plate suitable for 600 × 500 × 220

Name
Galvanized plate bottom plate of plastic box is suitable for 300 × 200 × 170
Galvanized plate bottom plate of plastic box is suitable for 300 × 300 × 170
Galvanized plate bottom plate of plastic box is suitable for 400 × 300 × 170
Galvanized plate bottom plate of plastic box is suitable for 500 × 400 × 200
Galvanized plate bottom plate of plastic box is suitable for 600 × 400 × 220
Galvanized plate bottom plate of plastic box is suitable for 600 × 500 × 220

Applicable accessories

Name
Plastic box plastic inner door suitable for 300 × 200 × 170
Plastic box plastic inner door suitable for 300 × 300 × 170
Plastic box plastic inner door suitable for 400 × 300 × 170
Plastic box plastic inner door suitable for 500 × 400 × 200
Plastic box plastic inner door suitable for 600 × 400 × 220
Plastic box plastic inner door suitable for 600 × 500 × 220

Name
Plastic box galvanized plate inner door suitable for 300 × 200 × 170
Plastic box galvanized plate inner door suitable for 300 × 300 × 170
Plastic box galvanized plate inner door suitable for 400 × 300 × 170
Plastic box galvanized plate inner door suitable for 500 × 400 × 200
Plastic box galvanized plate inner door suitable for 600 × 400 × 220
Plastic box galvanized plate inner door suitable for 600 × 500 × 220

Description

The Distribution Box is used for Terminal power distributing system	
The Distribution Box are completed with Din-rail 35mm and Neutral Terminal (Selectable)	
Electrical Rating	100A/single phase,63A/ thr ee phase,240/415V AC 50/60Hz
Protection Degree	IP65
Material	Shell: ABS
	Door: Transparent PC
Mothod of Installation	Surface-Mounted

Type of open door from right to left

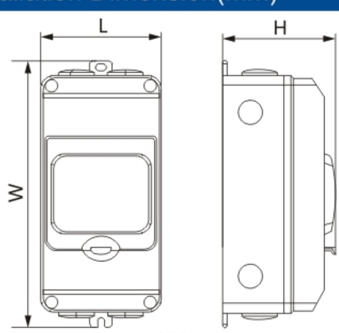
Without Neutral Terminal Model

Model No.		Ways	Dimension(mm)		
PC	Code		L	W	H
NHA4P4R	604241	2	53	130	91
NHA4P6R	604242	4	143	210	100
NHA4P8R	604243	8	215	210	104
NHA4P12R	604245	12	300	260	140
NHA4P18R	604246	18	410	287	140
NHA4P26R	604267	26	325	420	140
NHA4P36R	604368	36	300	596	148
NHA4P54R	604549	54	415	596	148

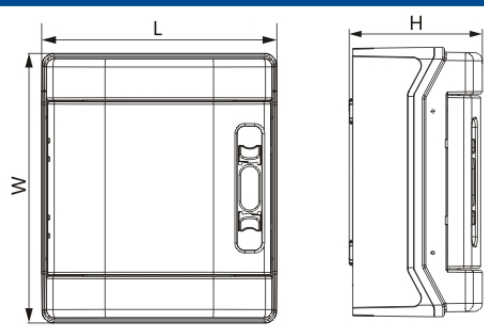
With Neutral Terminal Model

Model No.		Ways	Dimension(mm)		
PC	Code		L	W	H
NHA4P4RT	604211	2	53	130	91
NHA4P6RT	604212	4	143	210	100
NHA4P8RT	604213	8	215	210	104
NHA4P12RT	604215	12	300	260	140
NHA4P18RT	604216	18	410	287	140
NHA4P24RT	604267	26	325	420	140
NHA4P18RT	604368	36	300	596	148
NHA4P24RT	604549	54	415	596	148

Overall and Installation Dimension(mm)



2 Ways



Plastic Sealed Box

Description

In the photovoltaic industry, the proportion of NHPS combiner boxes used in photovoltaic equipment in developed countries in Europe and the United States has reached 53%, while the proportion in China is only 16%. And just two years ago this ratio wa s still Less than 5%. Because combiner boxes are used in harsh environments such as outdoors, they have very high core requirements on the corrosion resistance, service life, impact resistance, weather resistance, and protection level of the componentsin the box. Compared with the metal box,the corrosion resistance of the NHPS box is twice that of the metal, and the service life is 2 to 3 times that of the metal.The impact resistance and weather resistance are both higher than the metal box, and the protection level is 22 times higher than that of the metal box. %,IPKIS has more innovatively customized silicone sealing strips, with a protection level of IP67, which is a must-select product for water photovoltaic projects. Therefore, at present, domestic photovoltaic manufacturers have begun to develop and use combiner boxes based on NHPS engineering plastics. It is believed that within a few years, they can keep up or exceed the proportion of metal boxes.

After several years of concentrated practice, with the courage to be the first in the world, after full market research, the first generation launched the unique 830 × 630 × 280 and 730 × 530 × 250 two specifications and four uses, and invested the whole process production equipment in the company. The production and processing has attracted the attention and praise of the industry; now the second generation 833 × 633 ×280 and 733 × 533 × 250 products have been launched soon,and the submarine trademark has been registered as a special brand for plastic protective sealed boxes to meet the increasing needs of customers.

Model meaning of FRP plastic sealed box

NHPS - 83 63 28 H

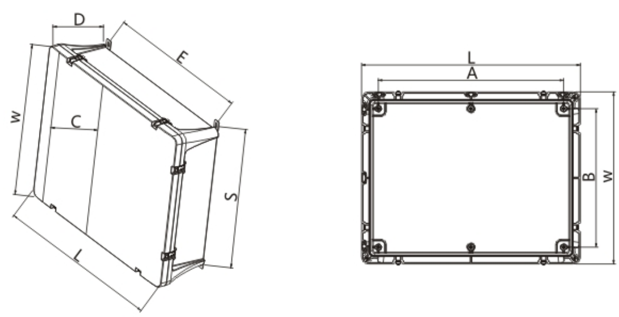
H: Horizontal Z: Vertical
High: D*10
Width: W*10
Length: L*10
NHPS: First generation
NHPS-II: Second generation

Main Technical Data

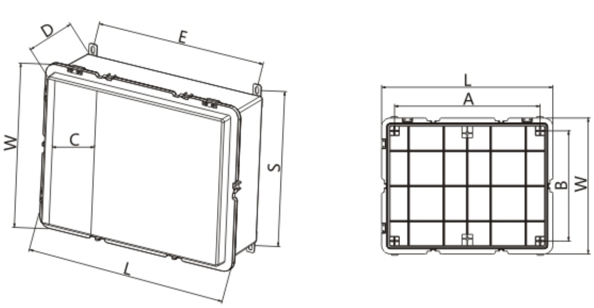
Model No.	Dimension(mm)					
	Length	width	height	Available depth	Base plate installation	Wall installation
(Material)NHPS	L	W	D	C	B × A	E×S
NHPS-836328H	830	630	280	230	816×620	816×701
NHPS-836328Z	830	630	280	230	816×620	897×620
NHPS-735325H	730	530	250	230	621×470	621×551
NHPS-735325Z	730	530	250	230	621×470	702×470
NHPS-II-836328H	833	533	250	230	790×590	790×672
NHPS-11-735325	733	533	250	230	590×590	672×590

L	outerheight
W	outerwidth
Z	outerdepth
C	availabledepth
B	bottomplateinstallation
A	baseplateinstallation
E	wallinstallation
S	wallinstallation

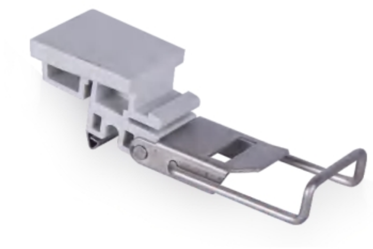
NHPS



NHPS-II



Applicable accessories



Name
NHPS-II box 304 stainless steel buckle

Name
NHPS-II box 304 stainless steel padlock

Name
NHPS-II box 304 stainless steel hinge

Name
NHPS-II box 735325 mounting base plate
NHPS-II box 836328 mounting base plate

Applicable accessories

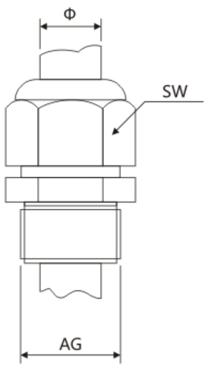
Name
NHPS box 304 stainless steel buckle

Name
NHPS box 304 stainless steel hinge

Name
NHPS box 304 stainless steel padlock

Name
NHPS box 304 stainless steel mountingfeet

Name
NHPS box 735325 bottom plate
NHPS box 836328 bottom plate



Technical Parameters

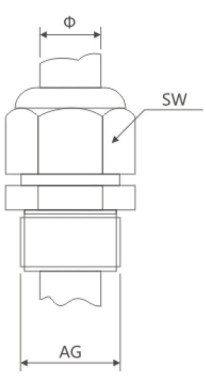
Material	UL approved nylon Pa66, nitrile rubber
Thread Specifications	Metric, PG, G, NPT
Operating temperature	Static -40℃~100℃, instantaneous heat to 120℃, dynamic -20℃~80℃, instantaneous heat to 100℃
Features	Special clamping claws and rubber parts design, clamping range, especially tensile strength, waterproof, dustproof, salt, acid, alcohol, grease and common solvents
Color Category	Black, gray, special colors (white, red, blue, dark gray) can be customized
Protection class	IP68

Specifications Model

Model	Thread size(mm)	Holesize AG(mm)	Thread length (mm)	Wall thickness (mm)	Applicable cable Φ(mm)	Wrench size SW(mm)
PG7	12.5	Φ12.6-13	9	3	3.5-7	18/16
PG9	15.2	Φ15.3-15.5	9	3	4-9	22/19
PG11	18.6	Φ18.7-19	9	3	5-11	24/22
PG13.5	20.4	Φ20.5-21	9	4	6-12	27/24
PG16	22.5	Φ22.6-23	10	5	10-14	30/27
PG19	24	Φ24.2-24.5	10	5	12-15	30/28
PG21	28.3	Φ28.5-29	12	5	13-18	36/33
PG25	30	Φ30.2-30.5	12	6	16-21	37/35
PG29	37	Φ37.2-37.5	12	6	18-25	45/42
PG36	47	Φ47.3-48	17	7	22-32	58/52
PG42	54	Φ54.5-55	19	7	32-39	65/60
PG48	59.3	Φ60-61	19	7	37-44	70/69
PG63	71	Φ71.5-72	27	19	42-51	83/75

AC-PG cable connector

Waterproof Cable Gland



Technical Parameters

Material	UL approved nylon Pa66, nitrile rubber
Thread Specifications	Metric, PG, G, NPT
Operating temperature	Static -40℃~100□ , instantaneous heat to 120℃, dynamic -20℃~80℃, instantaneous heat to 100℃
Features	Special clamping claws and rubber parts design, clamping range, especially tensile strength, waterproof, dustproof, salt, acid, alcohol, grease andcommonsolvents
Color Category	Black, gray, special colors (white, red, blue, dark gray) can be customized
Protection class	IP68

Specifications Model

Model	Thread size(mm)	Holesize AG(mm)	Thread length (mm)	Wall thickness (mm)	Applicable cable Φ(mm)	Wrench size SW(mm)
M12	M12×1.5	Φ12.2-12.5	9	3	3-7	18/16
M16	M16×1.5	Φ16.2-16.5	9	3	4-8	22/19
M18	M18×1.5	Φ18.2-18.5	9	3	5-10	24/22
M20	M20×1.5	Φ20.2-20.5	9	5	6-12	27/24
M22	M22×1.5	Φ22.2-22.5	10	5	10-14	30/27
M24	M24×1.5	Φ24.2-24.5	10	5	12-15	33/28
M25	M25×1.5	Φ25.2-25.5	10	5	13-15	33/28
M25	M25×1.5	Φ25.2-25.5	12	5	13-18	33/30
M27	M27×1.5	Φ27.2-27.5	12	5	13-18	35/33
M30	M30×1.5	Φ30.2-30.5	12	6	16-21	37/37
M32	M32×1.5	Φ32.2-32.5	12	6	16-21	39/35
M36	M36×1.5	Φ36.2-37	12	6	18-25	45/42
M40	M40×1.5	Φ40.2-41	17	7	20-26	52/52
M50	M50×1.5	Φ50.5-51	19	10	32-39	60/60
M63	M63×1.5	Φ63.5-64	19	10	37-44	74/69
M72	M72×1.5	Φ72.5-73	27	15	42-52	83/77

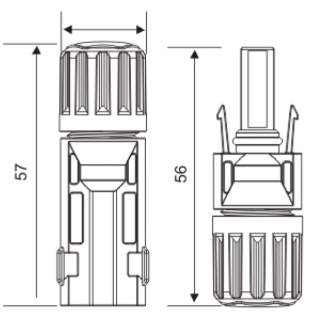
NMC4-01

NMC4-01

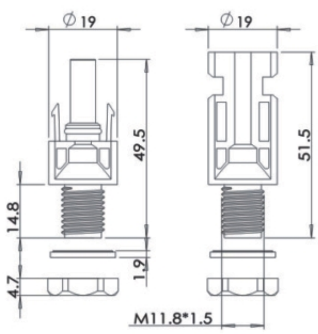
Technical Data

Connector system	Φ2.5mm~6mm
Rated voltage	1000V DC(IEC)[1]
Rated current	22A(2.5mm² ;14AWG) 30A(2.5mm² ,4mm²,6mm²;14AWG,12AWG,10AWG) 50A(4mm² ;6mm²;12AWG,10AWG)
Test voltage	6kV(50HZ,1min.)
Ambient tem perature range	-40°C...+90°C(IEC)- 40°C...+75°C(UL)
Upper limiting temper ature	+105°C(IEC)
Degree of protection, mated	IP67
unmated	IP2X
Comtact resistanceof plug connectors	0.5mΩ
Safetyclass	Ⅱ
Contact material	Messing,verzinnt Copper Alloy, tin plated
Insulation material	PC/PPO
Locking system	Snap-in
Flame class	UL-94-V0
Salt mist spray test, degree of severity 5	IEC6 0068-2-52

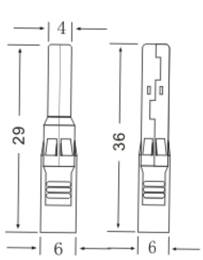
Overall and Installation Dimension(mm)



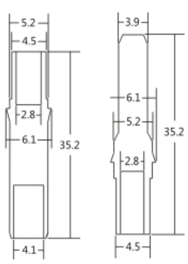
NCM4-01



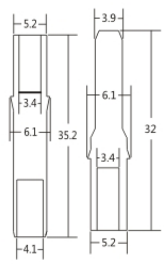
NMC4-02



30A



50A



50A

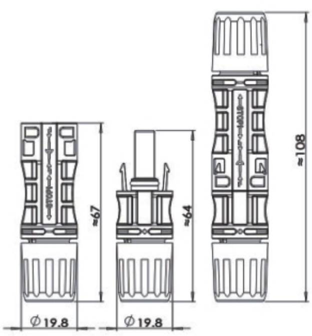
NMC4-03

NMC4-04

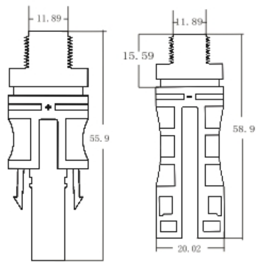
Technical Data

Connector system	Φ2.5mm~6mm
Rated voltage	1500VDC(IEC)[1]
Rated current	22A(2.5mm^2 ;14AWG) 30A(2.5mm^2 ,4mm^2,6mm^2;14AWG,12AWG,10AWG) 50A(4mm^2 ;6mm^2;12AWG,10AWG)
Test voltage	6kV(50HZ,1min.)
Ambient tem perature range	-40°C...+90°C(IEC)- 40°C...+75°C(UL)
Upper limiting temper ature	+105°C(IEC)
Degree of protection, mated	IP67
unmated	IP2X
Comtact resistanceof plug connectors	0.5mΩ
Safetyclass	Ⅱ
Contact material	Messing,verzinnt Copper Alloy, tin plated
Insulation material	PC/PPO
Locking system	Snap-in
Flame class	UL-94-V0
Salt mist spray test, degree of severity 5	IEC6 0068-2-52

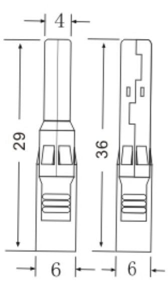
Overall and Installation Dimension(mm)



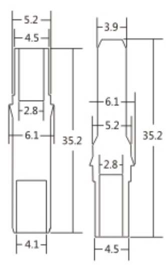
NMC4-03



NCM4-04



30A



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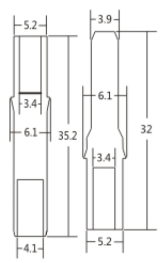

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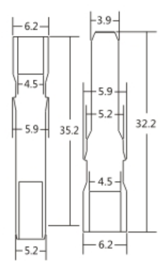


60A

Solar Connector Standard-IEC60068-2-52

NMC4-2Y/1

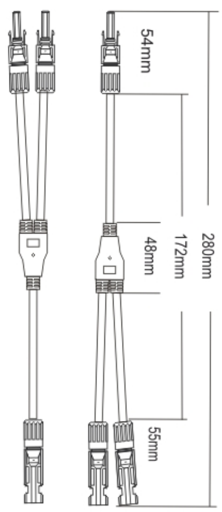
NMC4-3Y1

NMC4-4Y1

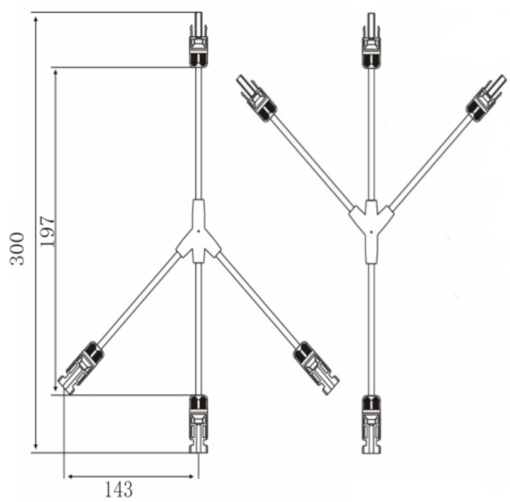
Technical Data

Connector system	Φ 4mm²
Rated voltage	1000V DC(IEC)[1]
Rated current	30A(4mm² 12AWG,)
Test voltage	6kV(50HZ,1min.)
Ambient tem perature range	-40°C...+90°C(IEC)- 40°C...+75°C(UL)
Upper limiting temper ature	+105°C(IEC)
Degree of protection, mated	IP67
unmated	IP2X
Comtact resistanceof plug connectors	0.5mΩ
Safetyclass	II
Contact material	Messing,verzinnt Copper Alloy, tin plated
Insulation material	PC/PPO
Locking system	Snap-in
Flame class	UL-94-V0
Salt mist spray test, degree of severity 5	IEC6 0068-2-52

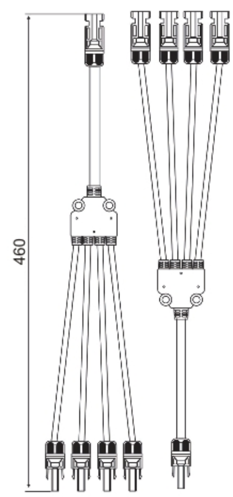
Overall and Installation Dimension(mm)



NMC4-2Y1



NMC4-3Y1



NMC4-4Y1

PV-NMC4/T2/T3/T4/T5/T6

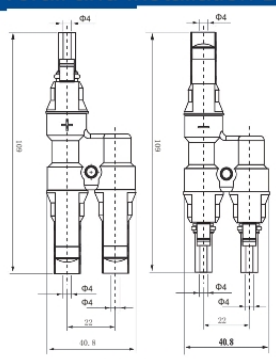
Solar Connector -- Standard-IEC60068-2-52

NMC4-T2 NMC4-T3 NMC4-T4 NMC4-T5

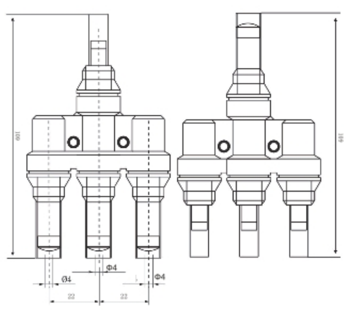
Technical Data

Connector system	Φ 4mm²
Rated voltage	1000VDC(TUV), 600V(UL)
Rated current	50A(4mm²,6mm²;12AWG,10AWG)
Test voltage	6kV(50HZ,1min.)
Ambient tem perature range	-40°C...+90°C(IEC)- 40°C...+75°C(UL)
Upper limiting temper ature	+105°C(IEC)
Degree of protection, mated	IP67
unmated	IP2X
Comtact resistanceof plug connectors	0.5mΩ
Safetyclass	Ⅱ
Contact material	Messing,verzinnt Copper Alloy, tin plated
Insulation material	PC/PPO
Locking system	Snap-in
Flame class	UL-94-V0
Salt mist spray test, degree of severity 5	IEC6 0068-2-52

Overall and Installation Dimension(mm)



NMC4-T2



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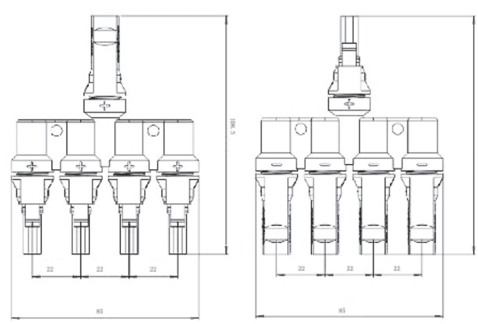

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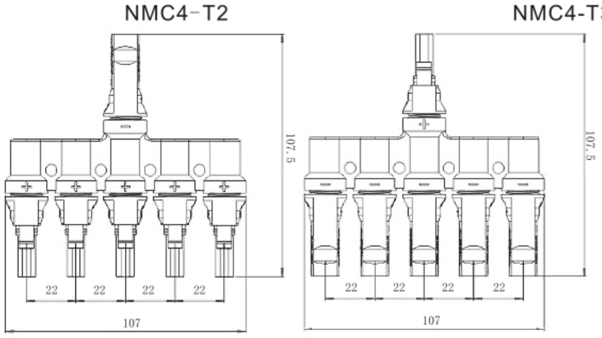
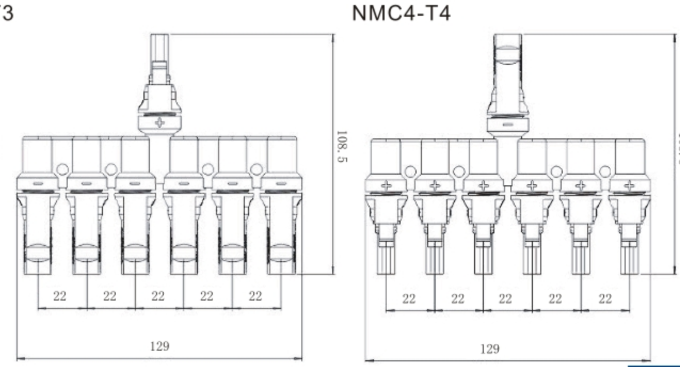


NMC4-T5



NMC4-T6

NMC4-D

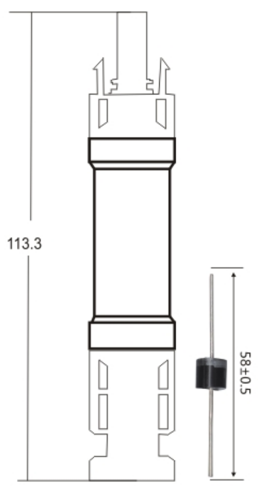
10x38
NMC4-F

10x85/14x85
NMC4-F

Technical Data

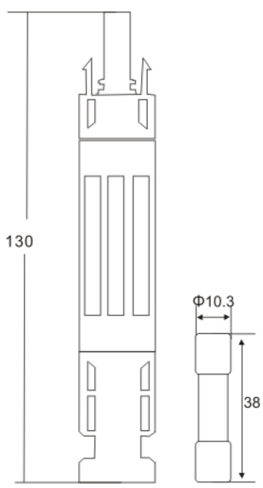
	NMC4-D	NMC4-F	NMC4-F
Connector system	Φ 4mm²		
Rated voltage	1000V DC	1000V DC	1500VDC
Rated current	10A,15A,20A,25A,30A	4A,6A,8A,10A,15A,20A,25A,30A,32A	8A,10A,15A,20A,25A,30A,32A,40A,50A
Test voltage	6kV(50HZ,1min.)		
Ambient tem perature range	-40°C...+90°C(IEC)- 40°C...+75°C(UL)		
Upper limiting temper ature	+105°C(IEC)		
Degree of protection, mated	IP67		
unmated	IP2X		
Comtact resistanceof plug connectors	0.5mΩ		
Safetyclass	Ⅱ		
Contact material	Messing,verzinnt Copper Alloy, tin plated		
Insulation material	PC/PPO		
Locking system	Snap-in		
Flame class	UL-94-V0		
Salt mist spray test, degree of severity 5	IEC60068-2-52		

Overall and Installation Dimension(mm)



Diode 1000V

NMC4-D



Fuse 1000V (10*38)

NCM4-F

Fuse 1500V(10*85 /14*85)

NMC4-F

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