



## NXU-II G Surge Protective Device

### 1. General

1.1 Certificates: international certificates are under proceeding;

1.2 Number of pole: 1,2,3,4,1P+N,3P+N;

1.3 Electric ratings: 230/400V, AC50/60Hz;

1.4 Application: Protect electric system and on-loading electrical apparatus from thunder and instantaneous over-voltage;

1.5 Standard: IEC/EN 61643-11

### 2. Compliant certification

CE, RoHS

### 3. Technical data

Model	Max.continuous Operational Voltage $U_c(V \sim)$	Level of protection $U_p(kV)$	Maximum discharge current $I_{max}(8/20\mu s)(kA)$	Nominal discharge current $I_n(8/20\mu s)(kA)$
NXU-II G(/F)	275	1.5	40	20
	320	1.6		
	385	1.8		
	440	2.0		
	255(NPE)	1.5	65	30
	275	1.6		
	320	1.8		
	385	2.0		
440	2.2			

Auxiliary	Configurations	Rated voltage $U_n(V)$	Rated current $I_n(A)$
Contact	INO+INC	AC250	0.5

### 3.How to select surge protectors

- The voltage should be  $\leq U_c$ ;
- $U_p <$  maximum umpluse withstands;
- Different protectors should be selected according to various grounding system and protection mode.

Model	Max.continuous Operational Voltage $U_c(V \sim)$	Applicable grounding system	Protection mode	Circuits	Number of poles
NXU-II G(/F)	275	TN-S	L-PE,L-N,N-PE	1 phase,3 phase 5wire	1,2,4, 1P+N,3P+N
		TN-C	L-PEN	1 phase,3 phase 4wire	1,3
		TT	L-N,N-PE	1 phase,3 phase 4wire	1P+N,3P+N
	320	TN-S	L-PE,L-N,N-PE	1 phase,3 phase 5wire	1,2,4, 1P+N,3P+N
		TN-C	L-PEN	1 phase,3 phase 4wire	1,3
		TT	L-N,N-PE	1 phase,3 phase 4wire	1P+N,3P+N
	385	TN-S	L-PE,L-N,N-PE	1 phase,3 phase 5wire	1,2,4, 1P+N,3P+N
		TN-C	L-PEN	1 phase,3 phase 4wire	1,3
		TT	L-N,N-PE	1 phase,3 phase 4wire	1P+N,3P+N
	440	TN-S	L-PE,L-N,N-PE	1 phase,3 phase 5wire	1,2,4, 1P+N,3P+N
		TN-C	L-PEN	1 phase,3 phase 4wire	1,3
		TT	L-N,N-PE	1 phase,3 phase 4wire	1P+N,3P+N
		IT	L-PE	1 phase,3 phase 3wire	1,3

### 4.Functions

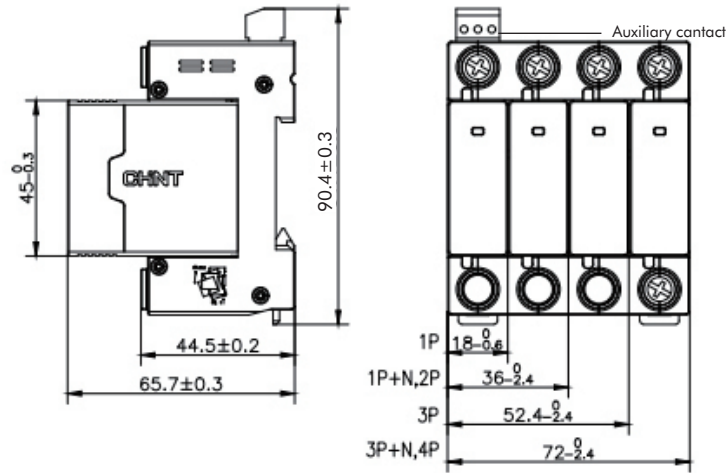
4.1 The product is composed of two independent components:removable protective module 4 and base 2;

4.2 When the product is damaged, the part 3 will indicate red ;please replace the removable protective module 4 at once and there is no need to cutoff the circuits;

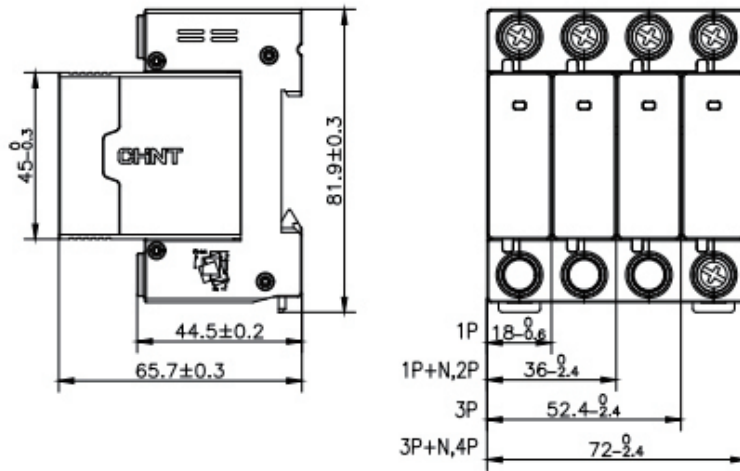
4.3 The part 1 is for maximum continuous operational vottage indication as well sa avoiding replacement with wrong module.



### 5.Overall and mouting dimensions(mm)



NXU- II G(40kA,65kA) with remote control port



NXU- II G(40kA,65kA) without remote control port

<b>NXU</b>	<b>IIG</b>	<b>/F</b>	<b>40kA</b>	<b>275V</b>	<b>1P</b>
<b>Product type</b>	<b>Test class: II</b>	<b>Telesignal Function</b>	<b>I<sub>max</sub>(8/20μs)(kA)</b>	<b>Maximum continuous operational voltage(U<sub>c</sub>)(V)</b>	<b>Poles</b>
NXU	II	Default: Normal F: With remote signal output	40kA 65kA	275V 320V 385V 440V	1P 1P+N 2P 3P 3P+N 4P

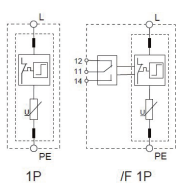
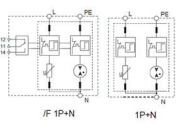
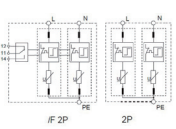
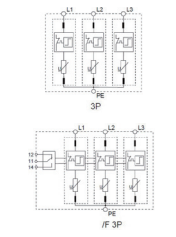
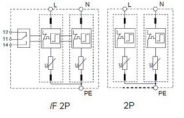
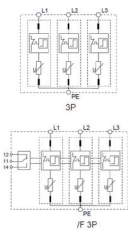
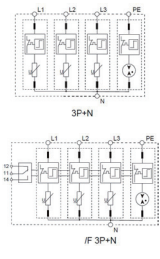
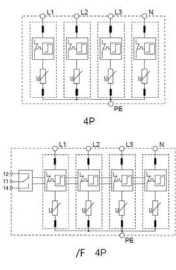
Diagram	Test class	I <sub>max</sub> (8/20μs)(kA)	U <sub>c</sub> (V)	Poles	Auxiliary contact	Product width(mm)	Description	Code
	II	40	275	1P	N	18	NXU-IIG 40kA/275V 1P	252395
	II	40	275	1P	Y	18	NXU-IIG/F 40kA/275V 1P	252403
	II	40	320	1P	N	18	NXU-IIG 40kA/320V 1P	252396
	II	40	320	1P	Y	18	NXU-IIG/F 40kA/320V 1P	252404
	II	40	385	1P	N	18	NXU-IIG 40kA/385V 1P	252397
	II	40	385	1P	Y	18	NXU-IIG/F 40kA/385V 1P	252405
	II	40	440	1P	N	18	NXU-IIG 40kA/440V 1P	252398
	II	40	440	1P	Y	18	NXU-IIG/F 40kA/440V 1P	252406
	II	40	275	1P+N	N	36	NXU-IIG 40kA/275V 1P+N	252411
	II	40	275	1P+N	Y	36	NXU-IIG/F 40kA/275V 1P+N	252419
	II	40	320	1P+N	N	36	NXU-IIG 40kA/320V 1P+N	252412
	II	40	320	1P+N	Y	36	NXU-IIG/F 40kA/320V 1P+N	252420
	II	40	385	1P+N	N	36	NXU-IIG 40kA/385V 1P+N	252413
	II	40	385	1P+N	Y	36	NXU-IIG/F 40kA/385V 1P+N	252421
	II	40	440	1P+N	N	36	NXU-IIG 40kA/440V 1P+N	252414
	II	40	440	1P+N	Y	36	NXU-IIG/F 40kA/440V 1P+N	252422
	II	40	275	2P	N	36	NXU-IIG 40kA/275V 2P	252427
	II	40	275	2P	Y	36	NXU-IIG/F 40kA/275V 2P	252435
	II	40	320	2P	N	36	NXU-IIG 40kA/320V 2P	252428
	II	40	320	2P	Y	36	NXU-IIG/F 40kA/320V 2P	252436
	II	40	385	2P	N	36	NXU-IIG 40kA/385V 2P	252429
	II	40	385	2P	Y	36	NXU-IIG/F 40kA/385V 2P	252437
	II	40	440	2P	N	36	NXU-IIG 40kA/440V 2P	252430
	II	40	440	2P	Y	36	NXU-IIG/F 40kA/440V 2P	252438
	II	40	275	3P	N	54	NXU-IIG 40kA/275V 3P	252443
	II	40	275	3P	Y	54	NXU-IIG/F 40kA/275V 3P	252451
	II	40	320	3P	N	54	NXU-IIG 40kA/320V 3P	252444
	II	40	320	3P	Y	54	NXU-IIG/F 40kA/320V 3P	252452
	II	40	385	3P	N	54	NXU-IIG 40kA/385V 3P	252445
	II	40	385	3P	Y	54	NXU-IIG/F 40kA/385V 3P	252453
	II	40	440	3P	N	54	NXU-IIG 40kA/440V 3P	252446
	II	40	440	3P	Y	54	NXU-IIG/F 40kA/440V 3P	252454

Diagram	Test class	$I_{max}(8/20\mu s)(kA)$	$U_c(V)$	Poles	Auxiliary contact	Product width(mm)	Description	Code
	II	40	275	3P+N	N	72	NXU-IIG 40kA/275V 3P+N	252459
	II	40	275	3P+N	Y	72	NXU-IIG/F 40kA/275V 3P+N	252467
	II	40	320	3P+N	N	72	NXU-IIG 40kA/320V 3P+N	252460
	II	40	320	3P+N	Y	72	NXU-IIG/F 40kA/320V 3P+N	252468
	II	40	385	3P+N	N	72	NXU-IIG 40kA/385V 3P+N	252461
	II	40	385	3P+N	Y	72	NXU-IIG/F 40kA/385V 3P+N	252469
	II	40	440	3P+N	N	72	NXU-IIG 40kA/440V 3P+N	252462
	II	40	440	3P+N	Y	72	NXU-IIG/F 40kA/440V 3P+N	252470
	II	40	275	4P	N	72	NXU-IIG 40kA/275V 4P	252475
	II	40	275	4P	Y	72	NXU-IIG/F 40kA/275V 4P	252483
	II	40	320	4P	N	72	NXU-IIG 40kA/320V 4P	252476
	II	40	320	4P	Y	72	NXU-IIG/F 40kA/320V 4P	252484
	II	40	385	4P	N	72	NXU-IIG 40kA/385V 4P	252477
	II	40	385	4P	Y	72	NXU-IIG/F 40kA/385V 4P	252485
	II	40	440	4P	N	72	NXU-IIG 40kA/440V 4P	252478
	II	40	440	4P	Y	72	NXU-IIG/F 40kA/440V 4P	252486
	II	65	275	1P	N	18	NXU-IIG 65kA/275V 1P	252399
	II	65	275	1P	Y	18	NXU-IIG/F 65kA/275V 1P	252407
	II	65	320	1P	N	18	NXU-IIG 65kA/320V 1P	252400
	II	65	320	1P	Y	18	NXU-IIG/F 65kA/320V 1P	252408
	II	65	385	1P	N	18	NXU-IIG 65kA/385V 1P	252401
	II	65	385	1P	Y	18	NXU-IIG/F 65kA/385V 1P	252409
	II	65	440	1P	N	18	NXU-IIG 65kA/440V 1P	252402
	II	65	440	1P	Y	18	NXU-IIG/F 65kA/440V 1P	252410
	II	65	275	1P+N	N	36	NXU-IIG 65kA/275V 1P+N	252415
	II	65	275	1P+N	Y	36	NXU-IIG/F 65kA/275V 1P+N	252423
	II	65	320	1P+N	N	36	NXU-IIG 65kA/320V 1P+N	252416
	II	65	320	1P+N	Y	36	NXU-IIG/F 65kA/320V 1P+N	252424
	II	65	385	1P+N	N	36	NXU-IIG 65kA/385V 1P+N	252417
	II	65	385	1P+N	Y	36	NXU-IIG/F 65kA/385V 1P+N	252425
	II	65	440	1P+N	N	36	NXU-IIG 65kA/440V 1P+N	252418
	II	65	440	1P+N	Y	36	NXU-IIG/F 65kA/440V 1P+N	252426

Diagram	Test class	$I_{max}(8/20\mu s)$ (kA)	$U_c(V)$	Poles	Auxiliary contact	Product width(mm)	Description	Code
	II	65	275	2P	N	36	NXU-IIG 65kA/275V 2P	252431
	II	65	275	2P	Y	36	NXU-IIG/F 65kA/275V 2P	252439
	II	65	320	2P	N	36	NXU-IIG 65kA/320V 2P	252432
	II	65	320	2P	Y	36	NXU-IIG/F 65kA/320V 2P	252440
	II	65	385	2P	N	36	NXU-IIG 65kA/385V 2P	252433
	II	65	385	2P	Y	36	NXU-IIG/F 65kA/385V 2P	252441
	II	65	440	2P	N	36	NXU-IIG 65kA/440V 2P	252434
	II	65	440	2P	Y	36	NXU-IIG/F 65kA/440V 2P	252442
	II	65	275	3P	N	54	NXU-IIG 65kA/275V 3P	252447
	II	65	275	3P	Y	54	NXU-IIG/F 65kA/275V 3P	252455
	II	65	320	3P	N	54	NXU-IIG 65kA/320V 3P	252448
	II	65	320	3P	Y	54	NXU-IIG/F 65kA/320V 3P	252456
	II	65	385	3P	N	54	NXU-IIG 65kA/385V 3P	252449
	II	65	385	3P	Y	54	NXU-IIG/F 65kA/385V 3P	252457
	II	65	440	3P	N	54	NXU-IIG 65kA/440V 3P	252450
	II	65	440	3P	Y	54	NXU-IIG/F 65kA/440V 3P	252458
	II	65	275	3P+N	N	72	NXU-IIG 65kA/275V 3P+N	252463
	II	65	275	3P+N	Y	72	NXU-IIG/F 65kA/275V 3P+N	252471
	II	65	320	3P+N	N	72	NXU-IIG 65kA/320V 3P+N	252464
	II	65	320	3P+N	Y	72	NXU-IIG/F 65kA/320V 3P+N	252472
	II	65	385	3P+N	N	72	NXU-IIG 65kA/385V 3P+N	252465
	II	65	385	3P+N	Y	72	NXU-IIG/F 65kA/385V 3P+N	252473
	II	65	440	3P+N	N	72	NXU-IIG 65kA/440V 3P+N	252466
	II	65	440	3P+N	Y	72	NXU-IIG/F 65kA/440V 3P+N	252474
	II	65	275	4P	N	72	NXU-IIG 65kA/275V 4P	252479
	II	65	275	4P	Y	72	NXU-IIG/F 65kA/275V 4P	252487
	II	65	320	4P	N	72	NXU-IIG 65kA/320V 4P	252480
	II	65	320	4P	Y	72	NXU-IIG/F 65kA/320V 4P	252488
	II	65	385	4P	N	72	NXU-IIG 65kA/385V 4P	252481
	II	65	385	4P	Y	72	NXU-IIG/F 65kA/385V 4P	252489
	II	65	440	4P	N	72	NXU-IIG 65kA/440V 4P	252482
	II	65	440	4P	Y	72	NXU-IIG/F 65kA/440V 4P	252490