

HDY3 Power Surge Protector

Standard: IEC61643-1



HDY3 Technical Parameters

Product model		HDY3-20				HDY3-40				HDY3-65			
Nominal discharge current In	kA	10				20				30			
Maximum discharge current Imax	kA	20				40				65			
Maximum allowable backup fuse strength	A gL	50				100				125			
Maximum continuous operating voltage Uc	V	275	340	385	440	275	340	385	440	275	340	385	440
Protection level Up	kV	1.3	1.5	1.6	1.8	1.5	1.8	1.8	2.0	1.6	1.9	2.0	2.2
Leakage current 7 5%Uc 1mA	μA	≤20											
Response time	ns	≤25											
Waveform	μs	8 / 20											
Product structure		Plug-in											
Protection rating		II											
Poles		1P,2P,3P,4P,1P+ N,3P+ N											
Operating state indication window		Available (green: normal; red: fault)											
Terminal wiring capacity		Minimum 4mm2 for copper wire, maximum: 36mm2 for single strand, 25mm2 for multi-strand											
Conformance standard		IEC61643 -1											
Optional accessories		Available (YX remote signaling)											

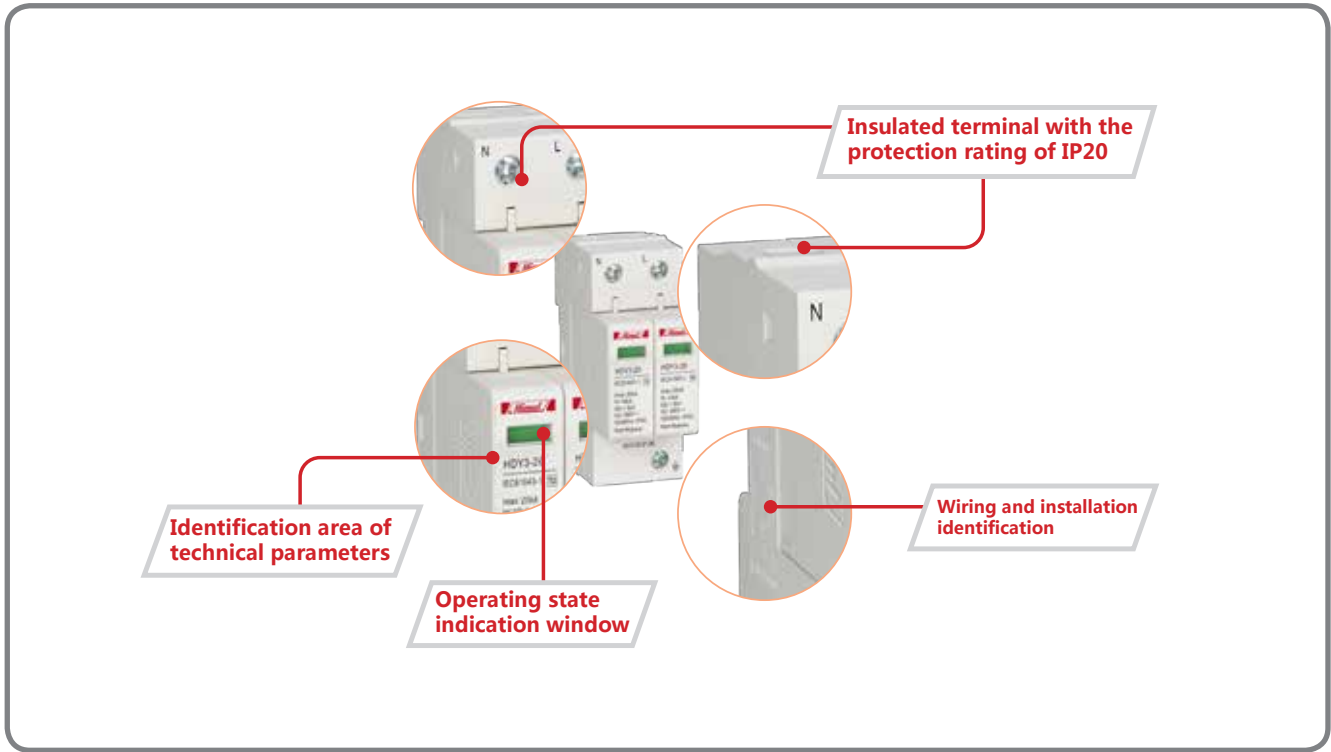


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Product Details Display



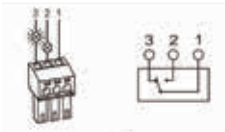
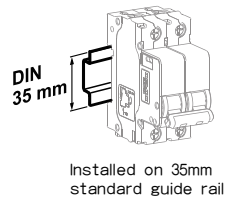
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HDY3 Technical Parameters

Product model		HDY3-80				HDY3-120				HDY3-160			
Nominal discharge current In	kA	40				60				80			
Maximum discharge current Imax	kA	80				120				160			
Maximum allowable backup fuse strength	A gL	160				200				250			
Maximum continuous operating voltage Uc	V	275	340	385	440	275	340	385	440	275	340	385	440
Protection level Up	kV	2.2	2.5	2.5	2.8	2.3	2.5	2.5	2.8	2.3	2.5	2.5	2.8
Leakage current 7 5%Uc 1mA	μA	≤20											
Response time	ns	≤25											
Waveform	μs	8 / 20											
Product structure		Plug-in											
Protection rating		II											
Poles		1P,2P,3P,4P,1P+ N,3P+ N											
Operating state indication window		Available (green: normal; red: fault)											
Terminal wiring capacity		Minimum 4mm2 for copper wire, maximum: 36mm2 for single strand, 25mm2 for multi-strand											
Conformance standard		IEC61643 -1											
Optional accessories		Available (YX remote signaling)											



Wiring capacity: 15mm2 (max)
Umax: AC125V Imax: 1A

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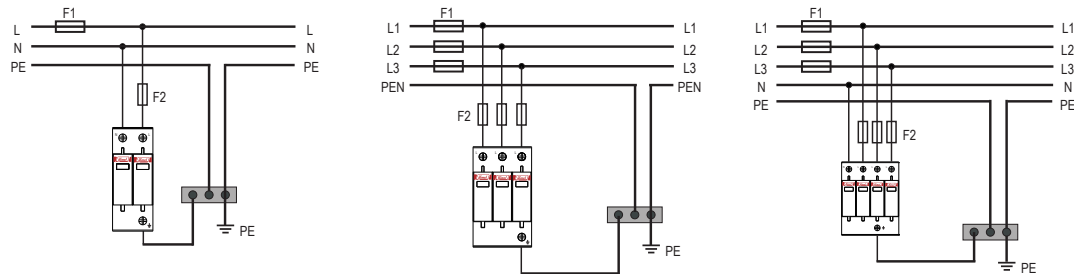


Accessories

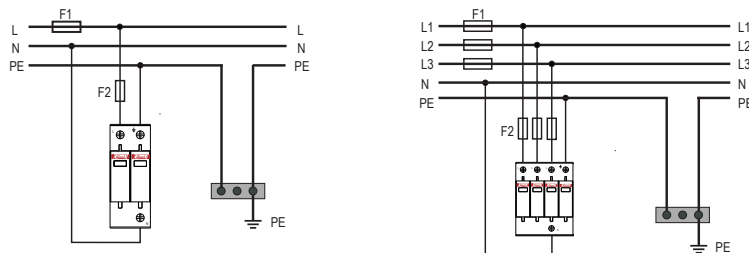
Remote signaling YX	
Rated operating voltage Ue	125V
Rated operational current Ie	1A
Contact	A normally open contact and a normally closed contact
Function	When SPD module is detached due to fault, the normally open contact will be closed and the normally closed contact will be disconnected to send out the fault information

HDY3 Wiring Diagram

TN-S System Installation Diagram



TT System Installation Diagram



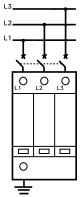
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Product name	Maximum discharge current	Poles	Maximum continuous voltage	Accessories
HDY3	60	1	275	YX
	↓	↓	↓	↓
	20: 20kA 40: 40kA 65: 65kA 80: 80kA 120: 120kA 160: 160kA	1: 1P 2: 2P 3: 3P 4: 4P 5: 1P+N 6: 3P+N	Default: AC385V 275: AC275V 440: AC440V	YX: Remote signaling

HDY3 Power surge protector	Type	Rated current	Maximum discharge current					
			275V		385V		440V	
	1P	20	HDY3201275		HDY3201		HDY3201440	
		40	HDY3401275		HDY3401		HDY3401440	
		65	HDY3651275		HDY3651		HDY3651440	
		80	HDY3801275	HDY3801275YX	HDY3801	HDY3801YX	HDY3801440	HDY3801275YX
		120	HDY31201275	HDY31201275YX	HDY31201	HDY31201YX	HDY31201440	HDY31201275YX
		160	HDY31601275	HDY31601275YX	HDY31601	HDY31601YX	HDY31601440	HDY31601275YX
	2P	20	HDY3202275	HDY3202275YX	HDY3202	HDY3202YX	HDY3202440	HDY3202440YX
		40	HDY3402275	HDY3402275YX	HDY3402	HDY3402YX	HDY3402440	HDY3402440YX
		65	HDY3652275	HDY3652275YX	HDY3652	HDY3652YX	HDY3652440	HDY3652440YX
		80	HDY3802275	HDY3802275YX	HDY3802	HDY3802YX	HDY3802440	HDY3802440YX
		120	HDY31202275	HDY31202275YX	HDY31202	HDY31202YX	HDY31202440	HDY31202440YX
		160	HDY31602275	HDY31602275YX	HDY31602	HDY31602YX	HDY31602440	HDY31602440YX
	3P	20	HDY3203275	HDY3203275YX	HDY3203	HDY3203YX	HDY3203440	HDY3203440YX
		40	HDY3403275	HDY3403275YX	HDY3403	HDY3403YX	HDY34403440	HDY3403440YX
		65	HDY3653275	HDY3653275YX	HDY3653	HDY3653YX	HDY3653440	HDY3653440YX
		80	HDY3803275	HDY3803275YX	HDY3803	HDY3803YX	HDY3803440	HDY3803440YX
		120	HDY31203275	HDY31203275YX	HDY31203	HDY31203YX	HDY31203440	HDY31203440YX
		160	HDY31603275	HDY31603275YX	HDY31603	HDY31603YX	HDY31603440	HDY31603440YX

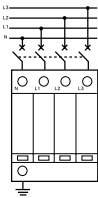
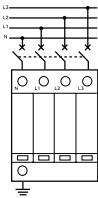
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HDY3 Power surge protector	Poles	Rated current	Maximum discharge current					
			275V		385V		440V	
	4P	20	HDY3204275	HDY3204275YX	HDY3204	HDY3204YX	HDY3204440	HDY3204440YX
		40	HDY3404275	HDY3404275YX	HDY3404	HDY3404YX	HDY3404440	HDY3404440YX
		65	HDY3654275	HDY3654275YX	HDY3654	HDY3654YX	HDY3654440	HDY3654440YX
		80	HDY3804275	HDY3804275YX	HDY3804	HDY3804YX	HDY3804440	HDY3804440YX
		120	HDY31204275	HDY31204275YX	HDY31204	HDY31204YX	HDY31204440	HDY31204440YX
		160	HDY31604275	HDY31604275YX	HDY31604	HDY31604YX	HDY31604440	HDY31604440YX
	1P+N	20	HDY3205275	HDY3205275YX	HDY3205	HDY3205YX	HDY3205440	HDY3205440YX
		40	HDY3405275	HDY3405275YX	HDY3405	HDY3405YX	HDY3405440	HDY3405440YX
		65	HDY3655275	HDY3655275YX	HDY3655	HDY3655YX	HDY3655440	HDY3655440YX
		80	HDY3805275	HDY3805275YX	HDY3805	HDY3805YX	HDY3805440	HDY3805440YX
		120	HDY31205275	HDY31205275YX	HDY31205	HDY31205YX	HDY31205440	HDY31205440YX
		160	HDY31605275	HDY31605275YX	HDY31605	HDY31605YX	HDY31605440	HDY31605440YX
	3P+N	20	HDY3206275	HDY3206275YX	HDY3206	HDY3206YX	HDY3206440	HDY3206YX
		40	HDY3406275	HDY3406275YX	HDY3406	HDY3406YX	HDY3406440	HDY3406YX
		65	HDY3656275	HDY3656275YX	HDY3656	HDY3656YX	HDY3656440	HDY3656YX
		80	HDY3806275	HDY3806275YX	HDY3806	HDY3806YX	HDY3806440	HDY3806YX
		120	HDY31206275	HDY31206275YX	HDY31206	HDY31206YX	HDY31206440	HDY31206YX
		160	HDY31606275	HDY31606275YX	HDY31606	HDY31606YX	HDY31606440	HDY31606YX



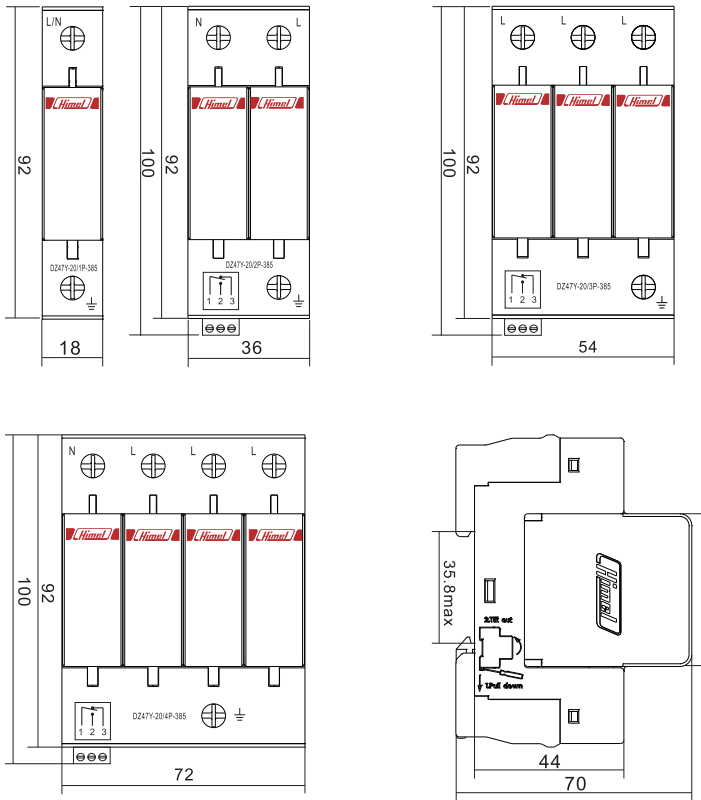
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3SERIES
MORE VALUE FOR PRICE!

HDY3 Installation Dimension

HDY3-20/40/65



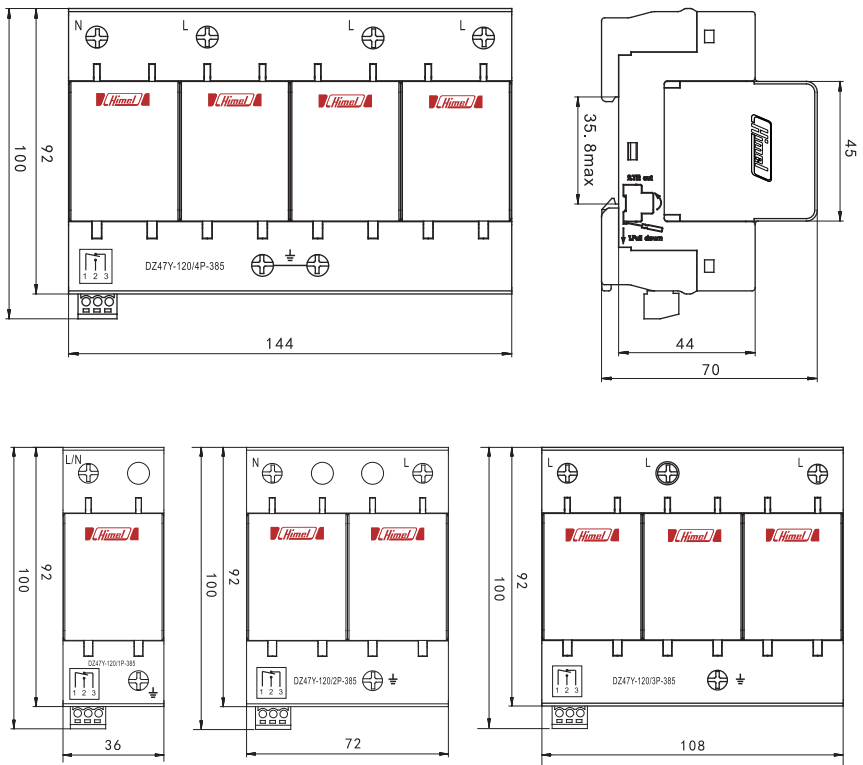
HDY3 Power Surge Protector

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3SERIES
MORE VALUE FOR PRICE!

HDY3 Installation Dimension

HDY3-80/120



HDY3-160

