

HDY1 Surge Protective Devices

Standard: IEC61643



Function

HDY1 surge protective devices provide:

- Applicable to household appliances and the like to offer protection
- When there is an over-voltage caused by either lightning strike or operation in the circuit

Order Information

I _{max} (kA)	U _c (V)	U _p (kV)	Reference					
			1P	2P	3P	4P	1P+N	3P+N
20	275	1.3	HDY1201275	HDY1202275	HDY1203275	HDY1204275	HDY1205275	HDY1206275
	385	1.5	HDY1201385	HDY1202385	HDY1203385	HDY1204385	HDY1205385	HDY1206385
	420	1.8	HDY1201420	HDY1202420	HDY1203420	HDY1204420	HDY1205420	HDY1206420
40	275	1.5	HDY1401275	HDY1402275	HDY1403275	HDY1404275	HDY1405275	HDY1406275
	385	1.8	HDY1401385	HDY1402385	HDY1403385	HDY1404385	HDY1405385	HDY1406385
	420	2.0	HDY1401420	HDY1402420	HDY1403420	HDY1404420	HDY1405420	HDY1406420
60	275	1.8	HDY1601275	HDY1602275	HDY1603275	HDY1604275	HDY1605275	HDY1606275
	385	2.2	HDY1601385	HDY1602385	HDY1603385	HDY1604385	HDY1605385	HDY1606385
	420	2.5	HDY1601420	HDY1602420	HDY1603420	HDY1604420	HDY1605420	HDY1606420
80	275	2.0	HDY1801275	HDY1802275	HDY1803275	HDY1804275	HDY1805275	HDY1806275
	385	2.2	HDY1801385	HDY1802385	HDY1803385	HDY1804385	HDY1805385	HDY1806385
	420	2.5	HDY1801420	HDY1802420	HDY1803420	HDY1804420	HDY1805420	HDY1806420
100	275	2.2	HDY11001275	HDY11002275	HDY11003275	HDY11004275	HDY11005275	HDY11006275
	385	2.5	HDY11001385	HDY11002385	HDY11003385	HDY11004385	HDY11005385	HDY11006385
	420	2.5	HDY11001420	HDY11002420	HDY11003420	HDY11004420	HDY11005420	HDY11006420

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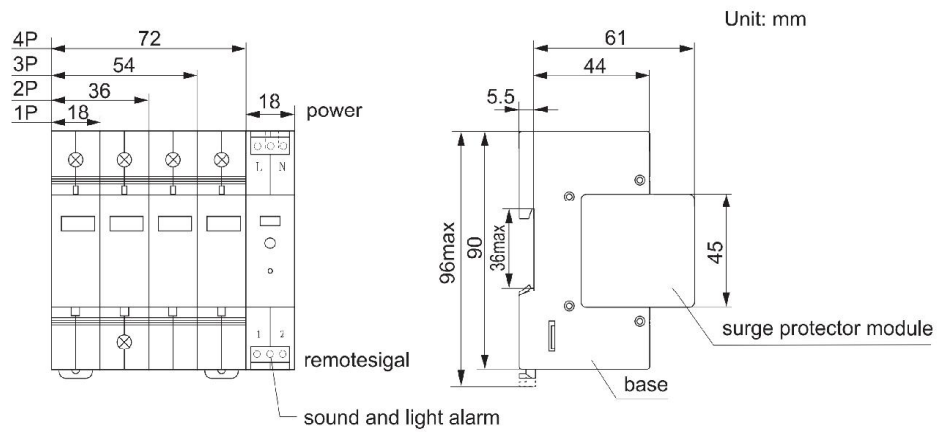
Technical Data



Type Pole	HDY1-20												HDY1-40			HDY1-60			HDY1-80			HDY1-100		
	1P, 1P+N, 2P, 3P, 3P+N, 4P																							
Nominal discharge current $I_n(8/20\mu s)$ kA	10			20			30			40			50											
Maximum discharge current $I_{max}(8/20\mu s)$ kA	20			40			60			80			100											
Maximum continuous operational voltage U_c V	275	385	420	275	385	420	275	385	420	275	385	420	275	385	420									
Protection level U_p kV	1.3	1.5	1.8	1.5	1.8	2.0	1.8	2.2	2.5	2.0	2.2	2.5	2.2	2.5	2.5									
Leakage current (75% U_c 1mA) μA	≤ 20																							
Response time ns	≤ 25																							

- Standard: IEC 61643
- Certification: SEMKO, CB

Overall Dimensions



HDY1-20 40 60

Final Distribution