

5. BY2-30 & BY2-60



BY2-30



BY4-80/1P

Type	BY2-30	BY2-60
Test class	I	I
class	B	B
Rated voltage Un (V)	220/380	220/380
Max continuous operating voltage Uc (V)	420	420
Insulated resistance Riso (Ω)	≥ 10 ¹⁰	≥ 10 ¹⁰
Protection level Up (kV)	≤ 4.0	≤ 4.0
Nominal DC spark voltage Un (kA)	2.95KV (+25%/-40%)	2.95KV (+25%/-40%)
Nominal discharge current (8/20uS) In (kA)	30	60
Charge Q (As)	15	30
Power W/R (kJ/Ω)	225	900
Response time T (ns)	<100	<100
Air humidity	≤ 95%	≤ 95%
Temperature range	-40°C~+80°C	-40°C~+80°C
Protection grade	IP20	IP20
Max back up fuse	205A gl	205A gl

6. BY4-60 & BY4-80, BY4-100



BY4-80/2P



BY4-80/3P

Model	BY4-60	BY4-80	BY4-100
Test to	IEC61643-1	IEC61643-1	IEC61643-1
class	B	B	B
Rated voltage Un (V)	220/380	220/380	220/380
Max continuous operating voltage Uc (V)	385	385	385
Shock current Iimp (10/35uS) (kA)	7.5	12	15
Charge Q (As)	2.5	3.75	5
Protection level Up (kV)	≤ 2.0	≤ 2.5	≤ 3.0
Maximum discharge current I _{max} (8/20uS) (kA)	60	80	100
Nominal discharge current (8/20uS) In (kA)	30	40	60
Response time T (ns)	<25	<25	<25
Color (module/base)	Orange red/gray	Orange red/gray	Orange red/gray
Temperature range	-40°C~+80°C	-40°C~+80°C	-40°C~+80°C
Protection grade	IP20	IP20	IP20
Max back up fuse	63~100A gl	63~100A gl	63~100A gl