

# 수배전반용 변압기, 산업용빌딩의 메인 분전반(ACB), 직격뢰의 위험이 큰 장소

## LIGHTNING ARRESTERS : Class I / SPARK GAP



▲ HS50-50



▲ HS55



▲ HS100



▲ JK110

- 탄소전극 SPARK GAP 내장
- HS50 Series : L-N, L-PE 간 사용
- HS100 Series : N-PE 간 사용
- Constructed as an encapsulated multiple cellular carbon spark gap with high values of self-extinguished follow currents
- HS50 Series : Can be used in L-N, L-PE
- HS100 Series : Can be used in N-PE

### Technical data

Model		SPARK GAP			
Electrical characteristics		HS50-50	HS55	HS100	JK110
Max. continuous operating voltage	$U_c$	255V	440V	255V	225V
Lightning impulse current (10/350)	$I_{imp}$	50kA	50kA	100kA	110kA
- charge	$Q$	25As	25As	50As	55As
- specific energy	$W/R$	600kJ/Ω	600kJ/Ω	2500kJ/Ω	3000kJ/Ω
Nominal discharge current (8/20)	$I_n$	50kA	50kA	75kA	75kA
Voltage protection level at $I_n$	$U_p$	<2kV	<2.5kV	<2kV	<2kV
Temporary overvoltage (TOV)	$U_T$	334V/5sec	690V/5sec	1200V/0.2sec	1200V/0.2sec
Response time	$t_A$	<100ns	<100ns	<100ns	<100ns
Follow current interrupting rating at $U_c$	$I_{fi}$	3kArms	3.5kArms	100Arms	100Arms
Lifetime		min.100 000 h			
Mounting		DIN rail 35 mm			

### Dimension / Internal configuration

HS50-50 / HS55

HS100 / JK110

