

Surge Protective Device

BK Series (Din-rail type)

Product description

The BK Series AC/DIN type surge protect protects a 50/60Hz electric system from surge voltages.

When the protective device is activated (in an anomaly or an accident), the red lever in the status indicator protrudes.



Product rating <Uc: 385V>

Item		AC Type						
		BK05S-T3	BK10S-T2	BK20S-T2	BK30S-T2	BK40S-T2	BK12S-T1 <small>Note4)</small>	
No. of poles		[Pole]	2, 4P1, 1+N, 2, 3, 3+N, 4P					
Rated voltages		Un [V]	230/440V					
Max. continued-operation voltage	Uc [V]	-	385	385	385	385	385	385
		N-PE		255	255	255	255	255
Voltage protection level	Up [kV]	-	≤0.8	≤1.5	≤1.8	≤2.0	≤2.5	≤2.5
		N-PE	-	≤1.0	≤1.2	≤1.5	≤2.0	≤2.5
	Up [kV] [Ⓢ]	-	≤2.0	≤1.5	≤1.8	-	≤2.5	-
		N-PE	-	≤2.5	≤2.5	-	≤3.5	-
Nominal discharge current		In [kA]		10	20	30	40	-
Max. discharge current		I _{max} [kA]	-	20	40	60	80	-
Impulse current		I _{imp} [kA]	-	-	-	-	-	12.5 (10/350)
Open circuit voltage		U _{oc} [kV]	10	-	-	-	-	-
Grades		Test class	Class III	Class II				Class I (Built-in type)
Reaction time			< 25ns					
Status indication <small>Note2)</small>			Have Status indication					
Operating temperature range			-40℃~80℃					
Cross-sectional area of the connecting wires			6~16mm ²	6~32mm ²				16~32mm ²
Accessories			AL <small>Note3)</small>					-
Standard			IEC 61643-11 / KS C IEC 61643-11 / UL1449					
Certification			CE, UL, KS, S	CE, UL, KS, S	CE, UL, KS, S	CE, UL	CE, UL, KS, S	CE

Note)

1. When the protective device is activated (in an anomaly or an accident) in products with Class II and III indication features, the red lever in the status indicator protrudes.
2. With a product with Class I indication feature, a green light will turn on when the protective device is in a normal condition. The green light will go off when the protective device is activated (for an anomaly or an accident.)
3. The AL contact accessories are not sold separately. You need to choose these accessories when you place your order for the product. Please be mindful of this fact when you place your order.
4. The Class I products are integrated with the MOVs, which cannot be detached.



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