

DB90 Incomer Circuit Breakers

Functions: LV incomer circuit-breakers for power up to 36kVA

- provide overload and short-circuit protection;
- in the residual current version, protect persons against indirect contact and installations against insulation faults
- in the selective residual current version
 - provide total discrimination with high sensitivity (30mA) residual current devices installed downstream so that only the feeder with the insulation fault is de-energised;
 - allow installation of a surge arrestor immediately downstream of the circuit breaker without risk of breaker nuisance tripping;
 - take into consideration the service quality requirements of certain loads (freezers, computer equipment, etc)

Technical Data

- Ratings: adjustable from 10 to 90A;
- Utilisation temperature: -5...+40°C;
- Thermal release: temperature compensated;
- Breaking capacity at $\cos\phi=0.7$;
 - 2000A, for DB90 catalogue numbers 13100, 13102, 13110, 13112, 13120 and 13123
 - 2400A, for DB90 catalogue numbers 13103, 13104, 13105, 13106, 13115, 13116, 13121, 13122 and 13124
- Connection: adjustable tunnel terminal for copper cables up to 35mm², neutral terminal: blue
- Delivered with sealable terminal shield
- NF USE approved
- Complies:
 - With NF C62-411 standard for instantaneous and selective residual current DB90;
 - With NF V62-412 standard for non residual current DB90;
 - With EDF regulations;

		Instantaneous residual current DB90			
Type	Voltage, AC	Rating, A	Sensitivity, mA	Catalogue numbers	
2P	250	15/30/45	500	13100	
		30/45/60	500	13106	
		60/75/90	500	13105	
4P	440	10/15/20/25/30	500	13102	
		30/40/50/60	500	13103	
		Selective residual current DB90			
2P	250	15/30/45	500 S	13120	
		30/45/60	500 S	13121	
		60/75/90	500 S	13122	
4P	440	10/15/20/25/30	500 S	13123	
		30/40/50/60	500 S	13124	
		Non residual current DB90			
2P	250	15/30/45		13110	
		30/45/60		13116	
		60/75/90		13115	
4P	440	10/15/20/25/30		13112	
		30/40/50/60		13104	
		Dimension mm			
2P		4P			