






# Earth Leakage Circuit Breaker

## Economic Type

### ELCB

Frame size		32AF		50AF						50AF		63AF				100AF			225AF					
Frame type		CGE-32c	CGE-33c	CGE-52c	CGE-52S	CGE-52SL	CGE-53c	CGE-53S	CGE-52N*		CGE-53N	CGE-54N	CGE-62c	CGE-62N*	CGE-63N	CGE-64N	CGE-102N*	CGE-103N	CGE-104N	CGE-202N*	CGE-203N	CGE-204N		
Frame Image																								
Rated	Phase and wire	1Ø2W	1Ø2W, 3Ø3W	1Ø2W	1Ø2W	1Ø2W	1Ø2W, 3Ø3W	1Ø2W, 3Ø3W	1Ø2W		1Ø2W, 1Ø3W, 3Ø3W	1Ø2W, 1Ø3W, 3Ø3W, 3Ø4W	1Ø2W	1Ø2W	1Ø2W, 1Ø3W, 3Ø3W	1Ø2W, 1Ø3W, 3Ø3W, 3Ø4W	1Ø2W	1Ø2W, 1Ø3W, 3Ø3W	1Ø2W, 1Ø3W, 3Ø3W, 3Ø4W	1Ø2W	1Ø2W, 1Ø3W, 3Ø3W	1Ø2W, 1Ø3W, 3Ø3W, 3Ø4W		
	Number of poles	2P2E	3P3E	2P2E	2P2E	2P2E	3P3E	3P3E	2P2E		3P3E	4P3E	2P2E	2P2E	3P3E	4P3E	2P2E	3P3E	4P3E	2P2E	3P3E	4P3E		
	Protective function	For overload and protecting a short			For overload and protecting a short								For overload and protecting a short				For overload and protecting a short			For overload and protecting a short				
	Rated operational (Ue) AC(V)	220	220/460	220			220/460	220/460	220		220/460	220/460	220	220	220/460	220/460	220	220/460	220/460	220	220/460	220/460	220/460	
	Rated current (In) A	15.(16).20.30.(32)		15.(16).20.30.(32).40.50								15.(16).20.30.(32).40.50				63			15.(16).20.30.(32).40.50.(63).75.(80).100			125.150.175.200.225		
	Rated sensitivity current mA	30		30	30	15	30			30. 100/200/500		30. 100/200/500		30	30. 100/200/500			30. 100/200/500			100/200/500			
	Operating time sec	0.03		0.03						0.1		0.1		0.03	0.1			0.1			0.1			
Technical data conforming to (kA)(Sym) KS C 4613	Icu AC 460V	-	2.5	-	-	-	2.5	5	10		10	10	-	10	10	10	14	14	14		18			
	220V	5	5	5	10	10	5	10	25		25	25	5	25	25	25	25	25	25		35			
	Ics=...% x Icu	50		50								50				50			50					
Mechanical life span (number)	Current carrying	6000		6000								6000				6000			6000					
	Not current carrying	4000		4000								4000				4000			4000					
Dimensions (mm)	a	50	75	50			75			75		75	100	50		75	100		75	100		105	140	
	b	96		96						130		130		96				130			165			
	c	60		60						60		60		60				60			60			
	d	80		80						80		80		80				80			84			
Weight (kg)	0.34	0.47	0.34			0.47			0.6		0.75	0.9	0.34	0.6	0.75	0.9	0.6	0.75	0.9	1.1	1.3	1.5		
Current leakage trip type	Electronic · current-operated type		Electronic · current-operated type								Electronic · current-operated type		Electronic · current-operated type				Electronic · current-operated type			Electronic · current-operated type				
Type of trip unit	Full electronic type		Full electronic type								Full electronic type		Full electronic type				Full electronic type			Thermal electronic type				
Trip button	○		○								○		○				○			○				
Operating characteristics	8~16XIn		8~16XIn						8~16XIn		8~16XIn		8~16XIn				8~15XIn			8~14XIn				
Installation and connection	Screw or DIN rail		Screw or DIN rail						Screw		Screw		Screw or DIN rail	Screw			Screw			Screw				
Accessories	AUX	-		-						○		○		-				○			○			
	AL	-		-						○		○		-				○			○			
	CH	-		-						○		○		-				○			○			
Safety certificate for electrical products	-		○						-		-		-				○	-			○			
KS C 4613	○		○						○		○		○				○			-				
CE/TÜV	-		-						○		○		-				○			-				

- 1) 2P products marked on this catalogue are produced by using 3P products (The product size is same as 3P products)
- 2) KS-acquired rating is highlighted in red color among rated interrupting current, safety certification-acquired rated is highlighted in blue color, and the interrupting current for the remaining voltage is reference rating.
- 3) The product for CBS-202N 2P doesn't acquire the certificate.
- 4) 125A doesn't acquire the safety certificate LR, GL.
- 5) (\*) refers to the products that doesn't acquire safety certificate.