

# Earth Leakage Circuit Breaker

## Distribution

### ELCB

Frame size		32AF										50AF																
Frame type		SG-32M	SG-32Nc <sup>*2</sup> (New)	SG-32Nc <sup>*2</sup> (Old)	SG-32E(New)	SG-32E(Old)	SG-32N <sup>*2</sup> (New)	SG-32N <sup>*2</sup> (Old)	SG-32NH	SG-32NHB			SG-32NS	SG-32NSB	SG-32NEH	SG-32NEB	SG-52NH	SG-52NHB	SG-52NS	SG-52NSB	SG-52NEH	SG-52NEB	SG-53NH	SG-54NH	SG-53NS	SG-54NS		
Frame Image																												
Rated	Phase and wire	1Ø2W										1Ø2W																
	Number of poles	2P2E										2P2E																
	Protective function	For overload and protecting a short										For overload and protecting a short																
	Rated operational (Ue) AC(V)	220										220																
	Rated current (In) A	15,(16),20,30,(32)										15,(16),20,30,(32)																
	Rated sensitivity current mA	15.30										15.30																
	Operating time sec	0.030이하										0.030이하																
Technical data conforming to (kA)(Sym) KS C 4613	Icu AC 460V	-										-																
	220V	2.5										5 10																
Mechanical life span (number)	Current carrying	6000										6000																
	Not current carrying	4000										4000																
Dimensions (mm)	a	21	32	32	32	32	67	67	35			35	35.6	35	35.6	35	35.6	35	35.6	35	35.6	35	35.6	35	35.6	35	35.6	
	b	95.4	70	70	70	70	70	70	80			80	81	80	81	80	81	80	81	80	81	80	81	80	81	80	81	
	c	60	42.5(60) <sup>*1</sup>										60			60	60	60	60	60	60	60	60	60	60	60	60	60
	d	77.1	56.2										77			77	77	77	77	77	77	77	77	77	77	77	77	77
Weight (kg)	0.11	0.14	0.14	0.14	0.14	0.18	0.18	0.15			0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15		
Current leakage trip type	Electronic · current-operated type										Electronic · current-operated type																	
Type of trip unit	Thermal										Thermal																	
Installation and connection	Screw	Screw or DIN rail										Screw or DIN rail																
Safety certificate for electrical products	-	-	-	-	-	○	○	○			○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
KS C 4613	-	-	-	-	-	○	○	○			○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
CE/TÜV	-	○	○	-	-	○	○	○	-			○	-	-	○	-	○	-	-	-	-	-	○	-	-	○		

1) Items stated with \*1 represent measurement and attachment method when removable height LINER is attached

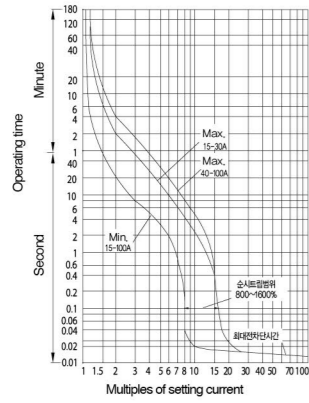
2) Items stated with \*2 are CE-acquired products from 110 to 220V.

# Circuit Breaker

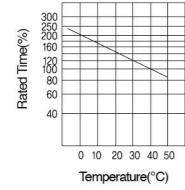
## Operating Characteristics

SG-52NH, SG-53NH, SG-54NH  
SG-52NS, SG-53NS, SG-54NS  
SB-52NH, SB-53NH, SB-54NH  
SB-52NS, SB-53NS, SB-54NS

Operating characteristics

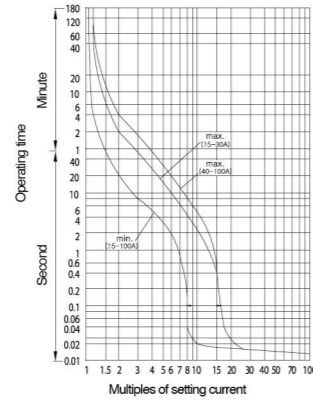


Ambient characteristics

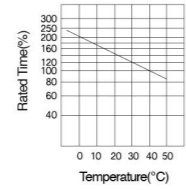


CBE-52N, CBE-53N, CBE-54N, CBE-62N, CBE-63N,  
CBE-64N, CBE-102N, CBE-103N, CBE-104N  
CBS-52N, CBS-53N, CBS-54N, CBS-62N, CBS-63N, CBS-64N  
CBH-32N, CBH-33N, CGS-33N, CGH-33N

Operating characteristics

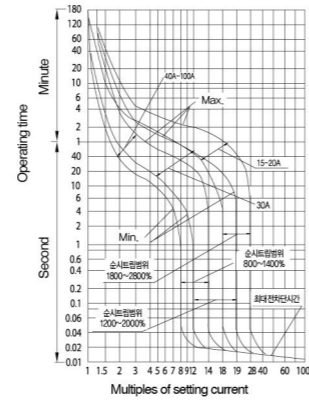


Ambient characteristics

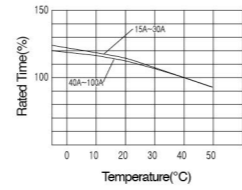


CBS-102N, CBS-103N, CBS-104N, CBH-52N,  
CBH-53N, CBH-54N, CBH-102N, CBH-103N, CBH-104N,  
CGS-103N, CGS-104N

Operating characteristics

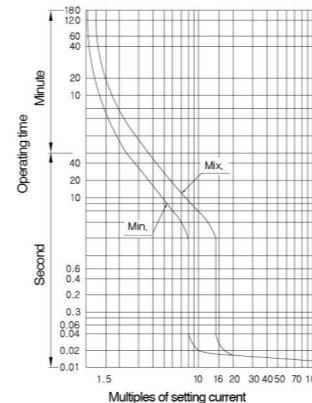


Ambient characteristics

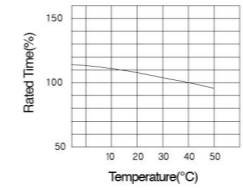


CBE-202N, CBE-203N, CBE-204N,  
CBS-202N, CBS-203N, CBS-204N,  
CBH-202N, CBH-203N, CBH-204N

Operating characteristics

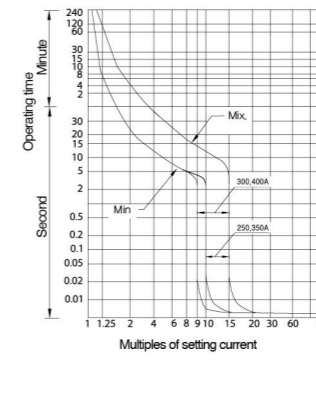


Ambient characteristics

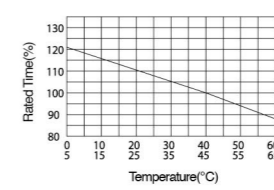


CBE-402N, CBE-403N, CBE-404N  
CBS-402N, CBS-403N, CBS-404N  
CBL-402N, CBL-403N, CBL-404N

Operating characteristics

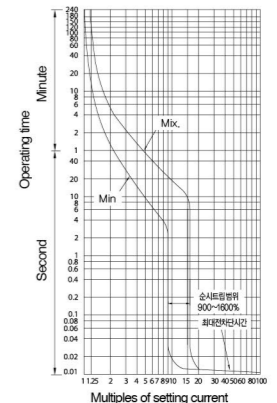


Ambient characteristics

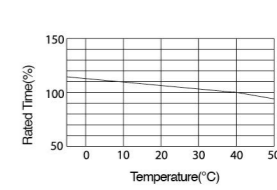


CBE-602, CBE-603, CBE-604  
CBS-602, CBS-603, CBS-604  
CBE-802, CBE-803, CBE-804  
CBS-802, CBS-803, CBS-804

Operating characteristics

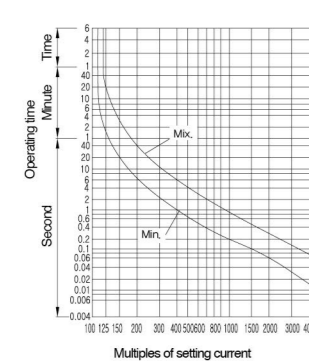


Ambient characteristics

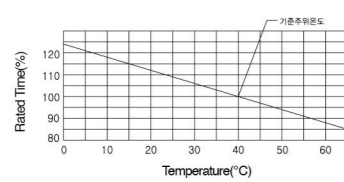


SG-32M, SB-32M

Operating characteristics

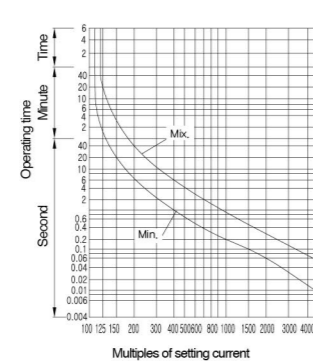


Ambient characteristics

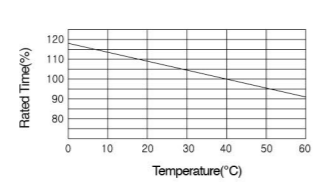


SG-32N, SG-32Nc, SB-32N

Operating characteristics

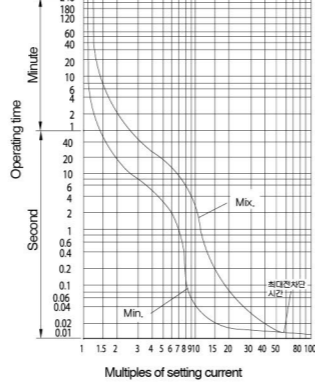


Ambient characteristics



CBE-32Nc, CBE-33Nc, CBE-52Nc, CBE-53Nc  
CBS-32Nc, CBS-33Nc, CBS-52Nc, CBS-53Nc  
CGE-32c, CGE-33c, CGE-52c, CGE-53c, CGE-62c, CGE-63c

Operating characteristics



Ambient characteristics

