

ELCBs

50AF & 60AF



MCCBs

physically interchangeable with ELCBs

※ see details (p. 32)

Optional accessories

- Auxiliary switch
- Alarm switch
- Manual rotary handle
- Terminal shield
- Rear connection unit
- Insulational barrier (standard for line side only)

※ see details (p. 81)

Types of the protection	Overload, short-circuit and ground fault
Rated operational voltage	176 to 510V, 50/60Hz
Rated current, I_n	5, 10, 15, 20, 30, 40, 50, 60A ... fixed
Rated residual current, I_{Δn}	0.03A ... fixed 0.1-0.2-0.5A ... adjustable
Residual non-operating current	0.5 x I _{Δn}
Residual current off-time at I_{Δn}	≤ 0.1 sec
Magnetic trip current	(8 to 16) x I _n ... fixed
Type of trip unit	Hydraulic-magnetic for overcurrent pick-up (Thermal -magnetic for EBH type only) Electronic for earth leakage pick-up
Number of poles	3 pole
Connection	Front (standard) Rear (optional)
Mounting	Fixed only
Breaking capacity, I_{cu}	I _{cs} = 50% of I _{cu}

Type	EBE	EBS	EBH
220/240V	10kA	25kA	50kA
415/460V	5kA	10kA	25kA

Rating	for I _{Δn} =0.03A (30mA)				
	I _n	5kA(2pole)	5kA	10kA	25kA
5A	EBE52b/5/30	EBE53b/5/30	EBS53b/5/30	N.A.	N.A.
10A	EBE52b/10/30	EBE53b/10/30	EBS53b/10/30	N.A.	N.A.
15A	EBE52b/15/30	EBE53b/15/30	EBS53b/15/30	N.A.	N.A.
20A	EBE52b/20/30	EBE53b/20/30	EBS53b/20/30	N.A.	N.A.
30A	EBE52b/30/30	EBE53b/30/30	EBS53b/30/30	N.A.	N.A.
40A	EBE52b/40/30	EBE53b/40/30	EBS53b/40/30	EBH53b/40/30	N.A.
50A	EBE52b/50/30	EBE53b/50/30	EBS53b/50/30	EBH53b/50/30	N.A.
60A	N.A.	EBE63b/60/30	EBS63b/60/30	N.A.	N.A.
Rating	for I _{Δn} =0.1-0.2-0.5A (100-200-500mA)				
	I _n	5kA(2pole)	5kA	10kA	25kA
5A	EBE52b/5/100	EBE53b/5/100	EBS53b/5/100	N.A.	N.A.
10A	EBE52b/10/100	EBE53b/10/100	EBS53b/10/100	N.A.	N.A.
15A	EBE52b/15/100	EBE53b/15/100	EBS53b/15/100	N.A.	N.A.
20A	EBE52b/20/100	EBE53b/20/100	EBS53b/20/100	N.A.	N.A.
30A	EBE52b/30/100	EBE53b/30/100	EBS53b/30/100	N.A.	N.A.
40A	EBE52b/40/100	EBE53b/40/100	EBS53b/40/100	EBH53b/40/100	N.A.
50A	EBE52b/50/100	EBE53b/50/100	EBS53b/50/100	EBH53b/50/100	N.A.
60A	N.A.	EBE63b/60/100	EBS63b/60/100	N.A.	N.A.

* Note: Breaking capacity at 415VAC.

Dimensions (mm)	3pole	Types EBE, EBS	Types EBH
		75(W) x 130(H) x 60(D)	90(W) x 155(H) x 60(D)