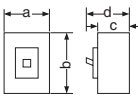


■ HG series/3-pole

Frame		50A	100A	225A
Pole		3	3	3
Type	Instantaneous trip type	HG53B	HG103B	HG203B
	Time delay trip type	HG53BD	HG103BD	HG203BD
Phase and wire		3ø3W, 1ø3W, 1ø2W	3ø3W, 1ø3W, 1ø2W	3ø3W, 1ø3W, 1ø2W
Rated current (A)	Ambient temp.: 40°C	15, 20, 30, 40, 50	15, 20, 30, 40, 50, 60, 75, 100	125, 150, 175, 200, 225
Rated voltage (V AC)	Instantaneous trip type	100–230–440	100–230–440	100–230–440
[JIS C 8201-2-2 Ann.2]	Time delay trip type	200–440	200–440	200–440
Instantaneous trip type	Rated sensitive current (mA)	30, 100/200/500	30, 100/200/500	30, 100/200/500
	Tripping time (s)	0.1	0.1	0.1
Time delay trip type	Rated sensitive current (mA)	100/200/500	100/200/500	100/200/500
	Tripping time (s)	0.3/0.8/2	0.3/0.8/2	0.3/0.8/2
	Inertia non-tripping time (s) [2IΔn]	0.15/0.4/1	0.15/0.4/1	0.15/0.4/1
Rated breaking capacity (kA)	440V AC	65	65	65
[JIS C 8201-2-2 Ann.2]	415V AC	65	65	65
	400V AC	65	65	65
	200V AC	100	100	100
	100V AC	100	100	100
Earth leakage tripping device		Solid-state	Solid-state	Solid-state
Overcurrent tripping device		Thermal-magnetic	Thermal-magnetic	Thermal-magnetic
Dimensions (mm)		a 90 b 155 c 82 d 104	90 155 82 104	105 165 99 127
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Mass (kg)	Front mounting type	2.3	2.3	3.3
Front mounting, front connection	No-mark	●	●	●
rear connection	X	●	●	●
Flush mounting, rear connection	E	●	●	●
top & bottom connection	Y	–	–	–
Plug-in mounting	P	●	●	●
Alarm switch	K	▲	▲	▲
Auxiliary switch	W	▲	▲	▲
Undervoltage trip	R	–	–	–
Shunt trip	F	–	–	–
Test lead wire	TL	▲	▲	▲
Megger test switch	MGS	▲	▲	▲
Motor operating mechanism	M*	▲	▲	▲
Padlocking device	Q	▲	▲	▲
Mechanical interlocking device	M1	BZ-M130C-3	BZ-M130C-3	BZ-M140C
Operating handle N-type	N	BZ-N35B	BZ-N35B	BZ-N50C
Operating handle V-type	V	–	–	BZ-V50C
Operating handle G-type	G	BZ-G35C	BZ-G35C	–
Steel enclosure	C	BZ-C35B	BZ-C35B	BZ-C50B
Steel enclosure with G-type handle	CG	(CG-type BZ-CG35B)	(CG-type BZ-CG35B)	–
Terminal cover	Short	TS	BZ-TS35B	BZ-TS50B
Terminal cover	Long	TB	BZ-TB35B	BZ-TB50B
Insulation barrier	Interphase	B	BZ-B35B	BZ-B50B
Insulation barrier	Earth	BL	BZ-BL35B	BZ-BL50B

Notes: ● Terminal covers (Height: 5mm) are standard provided for the X and P mounting types of 50AF to 225AF.
● Time delay trip types are also available on request.
* For motor-operated breaker, sensitive current and tripping time are fixed. Specify the sensitive current and tripping time when ordering.

● Available – Not available ▲ Factory-mounted accessory

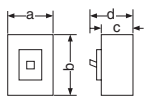
Rated voltage (V)	Operational voltage range (V)
100–230–440	80–484
200–440	160–484

Earth Leakage Circuit Breakers

Quick reference guide

Line protection

■ HG series/3-pole

Frame		400A	600A	800A
Pole		3	3	3
Type	Instantaneous trip type	HG403B	HG603B	HG803B
	Time delay trip type	HG403BD	HG603BD	HG803BD
Phase and wire		3ø3W, 1ø3W, 1ø2W	3ø3W, 1ø3W, 1ø2W	3ø3W, 1ø3W, 1ø2W
Rated current (A)		250, 300, 350, 400	500, 600	700, 800
Rated voltage (V)		100–230–440	100–230–440	100–230–440
[JIS C 8201-2-2 Ann.2]		200–440	200–440	200–440
Instantaneous trip type	Rated sensitive current (mA)	30, 100/200/500	100/200/500	100/200/500
	Tripping time (sec)	0.1	0.1	0.1
Time delay trip type	Rated sensitive current (mA)	100/200/500	100/200/500	100/200/500
	Tripping time (s)	0.3/0.8/2	0.3/0.8/2	0.3/0.8/2
	Inertia non-tripping time (s) [2IΔn]	0.15/0.4/1	0.15/0.4/1	0.15/0.4/1
Rated breaking capacity (kA)	440V AC	65	65	65
	415V AC	65	65	65
[JIS C 8201-2-2 Ann.2]	400V AC	65	65	65
	200V AC	125	125	125
	100V AC	125	125	125
Earth leakage tripping device		Solid-state	Solid-state	Solid-state
Overcurrent tripping device		Thermal-magnetic	Thermal-magnetic	Thermal-magnetic
Dimensions (mm)		a 140 b 257 c 103 d 146	210 275 103 146	210 275 103 146
Page 07/53				
Mass (kg)	Front mounting type	5.6	10	10
Applicable wire size (Max. mm ²)		325	325	325
Front mounting, front connection	No-mark	●	●	●
rear connection	X	●	●	●
Flush mounting, rear connection	E	●	●	●
top & bottom connection	Y	–	–	–
Plug-in mounting	P	●	●	●
Alarm switch	K	BZ-K70B	BZ-K70B	BZ-K70B
Auxiliary switch	W	BZ-W70B	BZ-W70B	BZ-W70B
Undervoltage trip	R	BZ-R70B-□	BZ-R70B-□	BZ-R70B-□
Shunt trip	F	BZ-F70B-□	BZ-F70B-□	BZ-F70B-□
Test lead wire	TL	▲	▲	▲
Megger test switch	MGS	▲	▲	▲
Earth leakage indication contact	EAL	▲	▲	▲
Motor operating mechanism	M*	▲	▲	▲
Padlocking device	Q	▲	▲	▲
Mechanical interlocking device	M1	BZ-M160C	BZ-M170C	BZ-M170C
Operating handle N-type	N	BZ-N60C	BZ-N70C	BZ-N70C
Operating handle V-type	V	BZ-V60C	BZ-V70C	BZ-V70C
Steel enclosure	C	BZ-C60B	BZ-C70B	BZ-C70B
Steel enclosure with V-type handle	CV	BZ-CV60C	BZ-CV70C	BZ-CV70C
Terminal cover	Short	TS	–	–
Terminal cover	Long	TB	BZ-TB70B	BZ-TB70B
Insulation barrier	Interphase	B	B-43A	B-43A
Insulation barrier	Earth	BL	–	–

Note: * For motor-operated breaker, sensitive current and tripping time are fixed.
Specify the sensitive current and tripping time when ordering.

● Available – Not available ▲ Factory-mounted accessory

Rated voltage (V)	Operational voltage range (V)
100–230–440	80–484
200–440	160–484