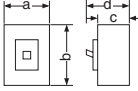


# Earth Leakage Circuit Breakers

## Quick reference guide

### Line protection

#### ■ SG series/4-pole

Frame	100A		225A		400A
Pole	4		4		4
Type	<b>SGa104A</b>	<b>SG104H</b>	<b>SGa204A</b>	<b>SG204H</b>	<b>SGa404A</b>
Phase and wire	3ø4W		3ø4W		3ø4W
Rated current (A) Ambient temp.: 40°C	40, 50, 60, 75, 100	50, 60, 75, 100	125, 150, 175, 200, 225		250, 300, 350, 400
Rated voltage (V) [JIS C8201-2-2 Ann.2]	200-415		200-415		200-415
Rated sensitive current (mA)	30, 100/200/500		30, 100/200/500		30, 100/200/500
Tripping time (sec)	0.1		0.1		0.1
Rated breaking capacity (kA) [JIS C8201-2-2 Ann.2]	415V AC 400V AC 200V AC	25 25 50	42 42 85	25 25 42	42 85 25 25 42
Earth leakage tripping device	Solid-state		Solid-state		Solid-state
Overcurrent tripping device	Thermal-magnetic		Thermal-magnetic		Thermal-magnetic
Dimensions (mm)		a b c d	140 230 86 109	185 350 103 134	185 350 103 134
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Mass (kg) Front mounting type	3.2		8.7		11.3
Front mounting, front connection	No-mark	●	●		●
Front mounting, rear connection	X	●	●		●
Flush mounting, rear connection	E	●	●		●
Flush mounting, 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	—	—		—
Operating handle N-type	N	N-13EA	N-23EA		N-23EA
Operating handle G-type	G	G-12A	G-22A		G-22A
Steel enclosure	C	—	—		—
Steel enclosure with G-type handle	CG	—	—		—
Terminal cover Inside panel use	A1	A1-14	—		—
Terminal cover Outside panel use	T1	—	—		—
Insulation barrier Interphase	B	—	B-44A		B-44A
Insulation barrier Earth	BL	—	—		—

Note: ● 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

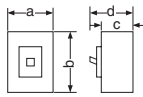
Rated voltage (V)	Operational voltage range (V)
200–415	160–484

# Earth Leakage Circuit Breakers

## Quick reference guide

### Line protection

#### ■ EG series/3P+1N

Frame	100A	
Pole	4	
Type	<b>EG104A</b>	
Phase and wire	3ø4W	
Rated current (A)    Ambient temp.: 40°C	30, 40, 50, 60, 75, 100	
Rated voltage (V)	380-415	
Rated sensitive current (mA)	30, 100, 300, 500	
Tripping time (s)	0.1	
Rated breaking capacity (kA)	415V AC 380V AC	14 14
Earth leakage tripping device	Solid-state	
Overcurrent tripping device	Hydraulic-magnetic	
Dimensions (mm)		a 120 b 200 c 60 d 80
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Mass (kg)    Front mounting type	1.8	
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	—
Operating handle N-type	N	N-6EA
Operating handle G-type	G	G-5A
Steel enclosure	C	—
Steel enclosure with G-type handle	CG	—
Terminal cover    Inside panel use	A1	—
Terminal cover    Outside panel use	T1	—
Insulation barrier    Interphase	B	—
Insulation barrier    Earth	BL	—

● Available    — Not available    ▲ Factory-mounted accessory

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

Rated voltage (V)	Operational voltage range (V)
380–415	304–484