

Earth Leakage Circuit Breakers

Type number

Line protection

Earth leakage + Overcurrent + Short-circuit protection type

■ SG series/3-pole IEC and CE marking conformed

Breaker ampere frame	Rated current (A)	Sensitive current 30mA	Sensitive current 100/200/500mA selectable	□ : Available mounting and connection
		Type	Type	
30	3	SG33C/3-30MA□-CE	SG33C/3-CO□-CE	Blank, X, E, Y, P
	5	SG33C/5-30MA□-CE	SG33C/5-CO□-CE	
	10	SG33C/10-30MA□-CE	SG33C/10-CO□-CE	
	15	SG33C/15-30MA□-CE	SG33C/15-CO□-CE	
	20	SG33C/20-30MA□-CE	SG33C/20-CO□-CE	
	30	SG33C/30-30MA□-CE	SG33C/30-CO□-CE	
50	5	SG53C/5-30MA□-CE	SG53C/5-CO□-CE	Blank, X, E, Y, P
	10	SG53C/10-30MA□-CE	SG53C/10-CO□-CE	
	15	SG53C/15-30MA□-CE	SG53C/15-CO□-CE	
	20	SG53C/20-30MA□-CE	SG53C/20-CO□-CE	
	30	SG53C/30-30MA□-CE	SG53C/30-CO□-CE	
	40	SG53C/40-30MA□-CE	SG53C/40-CO□-CE	
	50	SG53C/50-30MA□-CE	SG53C/50-CO□-CE	Blank, X, E, Y, P
	10	SG53RC/10-30MA□-CE	SG53RC/10-CO□-CE	
	15	SG53RC/15-30MA□-CE	SG53RC/15-CO□-CE	
	20	SG53RC/20-30MA□-CE	SG53RC/20-CO□-CE	
	30	SG53RC/30-30MA□-CE	SG53RC/30-CO□-CE	
	40	SG53RC/40-30MA□-CE	SG53RC/40-CO□-CE	
60	60	SG63C/60-30MA□-CE	SG63C/60-CO□-CE	Blank, X, E, Y, P
	60	SG63RC/60-30MA□-CE	SG63RC/60-CO□-CE	Blank, X, E, Y, P
100	15	SG103C/15-30MA□-CE	SG103C/15-CO□-CE	Blank, X, E, P
	20	SG103C/20-30MA□-CE	SG103C/20-CO□-CE	
	30	SG103C/30-30MA□-CE	SG103C/30-CO□-CE	
	40	SG103C/40-30MA□-CE	SG103C/40-CO□-CE	
	50	SG103C/50-30MA□-CE	SG103C/50-CO□-CE	
	60	SG103C/60-30MA□-CE	SG103C/60-CO□-CE	
	75	SG103C/75-30MA□-CE	SG103C/75-CO□-CE	
	100	SG103C/100-30MA□-CE	SG103C/100-CO□-CE	
	15	SG103RC/15-30MA□-CE	SG103RC/15-CO□-CE	
	20	SG103RC/20-30MA□-CE	SG103RC/20-CO□-CE	
	30	SG103RC/30-30MA□-CE	SG103RC/30-CO□-CE	
	40	SG103RC/40-30MA□-CE	SG103RC/40-CO□-CE	
	50	SG103RC/50-30MA□-CE	SG103RC/50-CO□-CE	
	60	SG103RC/60-30MA□-CE	SG103RC/60-CO□-CE	
75	SG103RC/75-30MA□-CE	SG103RC/75-CO□-CE		
100	SG103RC/100-30MA□-CE	SG103RC/100-CO□-CE		
225	125	SG203C/125-30MA□-CE	SG203C/125-CO□-CE	Blank, X, E, P
	150	SG203C/150-30MA□-CE	SG203C/150-CO□-CE	
	175	SG203C/175-30MA□-CE	SG203C/175-CO□-CE	
	200	SG203C/200-30MA□-CE	SG203C/200-CO□-CE	
	225	SG203C/225-30MA□-CE	SG203C/225-CO□-CE	
	125	SG203RC/125-30MA□-CE	SG203RC/125-CO□-CE	
	150	SG203RC/150-30MA□-CE	SG203RC/150-CO□-CE	
	175	SG203RC/175-30MA□-CE	SG203RC/175-CO□-CE	
	200	SG203RC/200-30MA□-CE	SG203RC/200-CO□-CE	
	225	SG203RC/225-30MA□-CE	SG203RC/225-CO□-CE	
400	250	SG403C/250-30MA□-CE	SG403C/250-CO□-CE	Blank, X, E, P
	300	SG403C/300-30MA□-CE	SG403C/300-CO□-CE	
	350	SG403C/350-30MA□-CE	SG403C/350-CO□-CE	
	400	SG403C/400-30MA□-CE	SG403C/400-CO□-CE	

Mounting	Connection	□
Front	Front	Blank
Front	Rear	X
Flush	Rear	E
Flush	Top and bottom	Y
Plug-in		P

Earth leakage + Overcurrent + Short-circuit protection type

■ **SG series/3-pole JIS C8201-2-2**

Breaker ampere frame	Rated current (A)	Sensitive current 30mA	Sensitive current 100/200/500mA selectable	☐ : Available mounting and connection
		Type	Type	
400	250	SG403RC/250-30MA☐	SG403RC/250-CO☐	Blank, X, E, P
	300	SG403RC/300-30MA☐	SG403RC/300-CO☐	
	350	SG403RC/350-30MA☐	SG403RC/350-CO☐	
	400	SG403RC/400-30MA☐	SG403RC/400-CO☐	
600	500	–	SG603RC/500-CO☐	Blank, X, E, P
	600	–	SG603RC/600-CO☐	
800	700	–	SG803RC/700-CO☐	Blank, X, E, P
	800	–	SG803RC/800-CO☐	

■ **SG series/4-pole JIS C8371**

Breaker ampere frame	Rated current (A)	Sensitive current 30mA	Sensitive current 100/200/500mA selectable	☐ : Available mounting and connection
		Type	Type	
100	40	SGa104A/40-30MA☐	SGa104A/40-CO☐	Blank, X, E
	50	SGa104A/50-30MA☐	SGa104A/50-CO☐	
	60	SGa104A/60-30MA☐	SGa104A/60-CO☐	
	75	SGa104A/75-30MA☐	SGa104A/75-CO☐	
	100	SGa104A/100-30MA☐	SGa104A/100-CO☐	
100	50	SG104H/50-30MA☐	SG104H/50-CO☐	Blank, X, E
	60	SG104H/60-30MA☐	SG104H/60-CO☐	
	75	SG104H/75-30MA☐	SG104H/75-CO☐	
	100	SG104H/100-30MA☐	SG104H/100-CO☐	
225	125	SGa204A/125-30MA☐	SGa204A/125-CO☐	Blank, X, E
	150	SGa204A/150-30MA☐	SGa204A/150-CO☐	
	175	SGa204A/175-30MA☐	SGa204A/175-CO☐	
	200	SGa204A/200-30MA☐	SGa204A/200-CO☐	
	225	SGa204A/225-30MA☐	SGa204A/225-CO☐	
225	125	SG204H/125-30MA☐	SG204H/125-CO☐	Blank, X, E
	150	SG204H/150-30MA☐	SG204H/150-CO☐	
	175	SG204H/175-30MA☐	SG204H/175-CO☐	
	200	SG204H/200-30MA☐	SG204H/200-CO☐	
	225	SG204H/225-30MA☐	SG204H/225-CO☐	
400	250	SGa404A/250-30MA☐	SGa404A/250-CO☐	Blank, X, E
	300	SGa404A/300-30MA☐	SGa404A/300-CO☐	
	350	SGa404A/350-30MA☐	SGa404A/350-CO☐	
	400	SGa404A/400-30MA☐	SGa404A/400-CO☐	

Mounting	Connection	☐
Front	Front	Blank
Front	Rear	X
Flush	Rear	E
Plug-in		P

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Earth Leakage Circuit Breakers

Type number

Line protection

Earth leakage + Overcurrent + Short-circuit protection type

■ EG series/2-pole IEC and CE marking conformed

Breaker ampere frame	Rated current (A)	Sensitive current 15mA	Sensitive current 30mA	Sensitive current 100mA	☐ : Available mounting and connection
		Type	Type	Type	
30	5	EG32AC/5-15MA☐-CE	EG32AC/5-30MA☐-CE	EG32AC/5-100MA☐-CE	Blank, X, E, Y, P
	10	EG32AC/10-15MA☐-CE	EG32AC/10-30MA☐-CE	EG32AC/10-100MA☐-CE	
	15	EG32AC/15-15MA☐-CE	EG32AC/15-30MA☐-CE	EG32AC/15-100MA☐-CE	
	20	EG32AC/20-15MA☐-CE	EG32AC/20-30MA☐-CE	EG32AC/20-100MA☐-CE	
	30	EG32AC/30-15MA☐-CE	EG32AC/30-30MA☐-CE	EG32AC/30-100MA☐-CE	
50	5	EG52AC/5-15MA☐-CE	EG52AC/5-30MA☐-CE	EG52AC/5-100MA☐-CE	Blank, X, E, Y, P
	10	EG52AC/10-15MA☐-CE	EG52AC/10-30MA☐-CE	EG52AC/10-100MA☐-CE	
	15	EG52AC/15-15MA☐-CE	EG52AC/15-30MA☐-CE	EG52AC/15-100MA☐-CE	
	20	EG52AC/20-20MA☐-CE	EG52AC/20-30MA☐-CE	EG52AC/20-100MA☐-CE	
	30	EG52AC/30-15MA☐-CE	EG52AC/30-30MA☐-CE	EG52AC/30-100MA☐-CE	
	40	EG52AC/40-15MA☐-CE	EG52AC/40-30MA☐-CE	EG52AC/40-100MA☐-CE	
	50	EG52AC/50-15MA☐-CE	EG52AC/50-30MA☐-CE	EG52AC/50-100MA☐-CE	
100	50	—	EG102C/50-30MA☐-CE	Sensitive current 100/200mA selectable	Blank, X, E, Y, P
	60	—	EG102C/60-30MA☐-CE	EG102C/50-CO☐-CE	
	75	—	EG102C/75-30MA☐-CE	EG102C/60-CO☐-CE	
	100	—	EG102C/100-30MA☐-CE	EG102C/75-CO☐-CE	
		—	—	EG102C/100-CO☐-CE	

Mounting	Connection	☐
Front	Front	Blank
Front	Rear	X
Flush	Rear	E
Flush	Top and bottom	Y
Plug-in		P

Earth leakage + Overcurrent + Short-circuit protection type
■ EG series/3-pole IEC and CE marking conformed

Breaker ampere frame	Rated current (A)	Sensitive current 15mA	Sensitive current 30mA	Sensitive current 100mA	□ : Available mounting and connection
		Type	Type	Type	
30	5 10 15 20 30	EG33AC/5-15MA□-CE EG33AC/10-15MA□-CE EG33AC/15-15MA□-CE EG33AC/20-15MA□-CE EG33AC/30-15MA□-CE	EG33AC/5-30MA□-CE EG33AC/10-30MA□-CE EG33AC/15-30MA□-CE EG33AC/20-30MA□-CE EG33AC/30-30MA□-CE	EG33AC/5-100MA□-CE EG33AC/10-100MA□-CE EG33AC/15-100MA□-CE EG33AC/20-100MA□-CE EG33AC/30-100MA□-CE	Blank, X, E, Y, P
	5 10 15 20 30	EG33C/5-15MA□-CE EG33C/10-15MA□-CE EG33C/15-15MA□-CE EG33C/20-15MA□-CE EG33C/30-15MA□-CE	EG33C/5-30MA□-CE EG33C/10-30MA□-CE EG33C/15-30MA□-CE EG33C/20-30MA□-CE EG33C/30-30MA□-CE	EG33C/5-100MA□-CE EG33C/10-100MA□-CE EG33C/15-100MA□-CE EG33C/20-100MA□-CE EG33C/30-100MA□-CE	
50	5 10 15 20 30 40 50	EG53AC/5-15MA□-CE EG53AC/10-15MA□-CE EG53AC/15-15MA□-CE EG53AC/20-15MA□-CE EG53AC/30-15MA□-CE EG53AC/40-15MA□-CE EG53AC/50-15MA□-CE	EG53AC/5-30MA□-CE EG53AC/10-30MA□-CE EG53AC/15-30MA□-CE EG53AC/20-30MA□-CE EG53AC/30-30MA□-CE EG53AC/40-30MA□-CE EG53AC/50-30MA□-CE	EG53AC/5-100MA□-CE EG53AC/10-100MA□-CE EG53AC/15-100MA□-CE EG53AC/20-100MA□-CE EG53AC/30-100MA□-CE EG53AC/40-100MA□-CE EG53AC/50-100MA□-CE	Blank, X, E, Y, P
	5 10 15 20 30 40 50	EG53C/5-15MA□-CE EG53C/10-15MA□-CE EG53C/15-15MA□-CE EG53C/20-15MA□-CE EG53C/30-15MA□-CE EG53C/40-15MA□-CE EG53C/50-15MA□-CE	EG53C/5-30MA□-CE EG53C/10-30MA□-CE EG53C/15-30MA□-CE EG53C/20-30MA□-CE EG53C/30-30MA□-CE EG53C/40-30MA□-CE EG53C/50-30MA□-CE	Sensitive current 100/200mA selectable EG53C/5-CO□-CE EG53C/10-CO□-CE EG53C/15-CO□-CE EG53C/20-CO□-CE EG53C/30-CO□-CE EG53C/40-CO□-CE EG53C/50-CO□-CE	
60	60	EG63C/60-15MA□-CE	EG63C/60-30MA□-CE	Sensitive current 100/200mA selectable EG63C/60-CO□-CE	Blank, X, E, Y, P
100	60 75 100	— — —	EG103AC/60-30MA□-CE EG103AC/75-30MA□-CE EG103AC/100-30MA□-CE	Sensitive current 100/200mA selectable EG103AC/60-CO□-CE EG103AC/75-CO□-CE EG103AC/100-CO□-CE	Blank, X, E, Y, P
	50 60 75 100	— — — —	EG103C/50-30MA□-CE EG103C/60-30MA□-CE EG103C/75-30MA□-CE EG103C/100-30MA□-CE	Sensitive current 100/200/500mA selectable EG103C/50-CO□-CE EG103C/60-CO□-CE EG103C/75-CO□-CE EG103C/100-CO□-CE	
225	125 150 175 200 225	— — — — —	EG203C/125-30MA□-CE EG203C/150-30MA□-CE EG203C/175-30MA□-CE EG203C/200-30MA□-CE EG203C/225-30MA□-CE	Sensitive current 100/200/500mA selectable EG203C/125-CO□-CE EG203C/150-CO□-CE EG203C/175-CO□-CE EG203C/200-CO□-CE EG203C/225-CO□-CE	Blank, X, E, P
400	250 300 350 400	— — — —	EG403C/250-30MA□-CE EG403C/300-30MA□-CE EG403C/350-30MA□-CE EG403C/400-30MA□-CE	Sensitive current 100/200/500mA selectable EG403C/250-CO□-CE EG403C/300-CO□-CE EG403C/350-CO□-CE EG403C/400-CO□-CE	Blank, X, E, P

Mounting	Connection	□
Front	Front	Blank
Front	Rear	X
Flush	Rear	E
Flush	Top and bottom	Y
Plug-in		P

Earth Leakage Case Breakers

Type number

Line protection

Earth leakage + Overcurrent + Short-circuit protection type

■ EG series/3-pole JIS C8201-2-2

Breaker ampere frame	Rated current (A)	Sensitive current 100/200/500mA selectable	<input type="checkbox"/> : Available mounting and connection
		Type	
600	500	EG603C/500-CO <input type="checkbox"/>	Blank, X, E, P
	600	EG603C/600-CO <input type="checkbox"/>	
800	700	EG803C/700-CO <input type="checkbox"/>	Blank, X, E, P
	800	EG803C/800-CO <input type="checkbox"/>	

Mounting	Connection	<input type="checkbox"/>
Front	Front	Blank
Front	Rear	X
Flush	Rear	E
Flush	Top and bottom	Y
Plug-in		P

■ EG series/4-pole (3P+1N) JIS C8201-2-2

Front mounting, front connection

Breaker ampere frame	Rated current (A)	Sensitive current 30mA	Sensitive current 100mA	Sensitive current 300mA	Sensitive current 500mA
		Type	Type	Type	Type
100	30	EG104A/30-30MA	EG104A/30-100MA	EG104A/30-300MA	EG104A/30-500MA
	40	EG104A/40-30MA	EG104A/40-100MA	EG104A/40-300MA	EG104A/40-500MA
	50	EG104A/50-30MA	EG104A/50-100MA	EG104A/50-300MA	EG104A/50-500MA
	60	EG104A/60-30MA	EG104A/60-100MA	EG104A/60-300MA	EG104A/60-500MA
	75	EG104A/75-30MA	EG104A/75-100MA	EG104A/75-300MA	EG104A/75-500MA
	100	EG104A/100-30MA	EG104A/100-100MA	EG104A/100-300MA	EG104A/100-500MA

Earth Leakage Circuit Breakers

Type number

Motor protection

■ SG series, 3-pole IEC and CE marking conformed

Breaker ampere frame	Motor capacity (kW)		Rated current (A)	Sensitive current 30mA	Sensitive current 100/200/500mA selectable	□ : Available mounting and connection		
	200/220V	400/440V						
30	—	0.2	0.7	SG33CM/0.7-30MA□-CE	SG33CM/0.7-CO□-CE	Blank, X, E, Y, P		
	0.2	0.4	1.4	SG33CM/1.4-30MA□-CE	SG33CM/1.4-CO□-CE			
	—	0.75	2	SG33CM/2-30MA□-CE	SG33CM/2-CO□-CE			
	0.4	—	2.6	SG33CM/2.6-30MA□-CE	SG33CM/2.6-CO□-CE			
	0.75	1.5	4	SG33CM/4-30MA□-CE	SG33CM/4-CO□-CE			
	—	2.2	5	SG33CM/5-30MA□-CE	SG33CM/5-CO□-CE			
	1.5	3.7	8	SG33CM/8-30MA□-CE	SG33CM/8-CO□-CE			
	2.2	—	10	SG33CM/10-30MA□-CE	SG33CM/10-CO□-CE			
	—	5.5	12	SG33CM/12-30MA□-CE	SG33CM/12-CO□-CE			
	3.7	7.5	16	SG33CM/16-30MA□-CE	SG33CM/16-CO□-CE			
	5.5	11	24	SG33CM/24-30MA□-CE	SG33CM/24-CO□-CE			
	7.5	15	32	SG33CM/32-30MA□-CE	SG33CM/32-CO□-CE			
	50	—	0.2	0.7	SG53CM/0.7-30MA□-CE		SG53CM/0.7-CO□-CE	Blank, X, E, Y, P
		0.2	0.4	1.4	SG53CM/1.4-30MA□-CE		SG53CM/1.4-CO□-CE	
—		0.75	2	SG53CM/2-30MA□-CE	SG53CM/2-CO□-CE			
0.4		—	2.6	SG53CM/2.6-30MA□-CE	SG53CM/2.6-CO□-CE			
0.75		1.5	4	SG53CM/4-30MA□-CE	SG53CM/4-CO□-CE			
—		2.2	5	SG53CM/5-30MA□-CE	SG53CM/5-CO□-CE			
1.5		3.7	8	SG53CM/8-30MA□-CE	SG53CM/8-CO□-CE			
2.2		—	10	SG53CM/10-30MA□-CE	SG53CM/10-CO□-CE			
—		5.5	12	SG53CM/12-30MA□-CE	SG53CM/12-CO□-CE			
3.7		7.5	16	SG53CM/16-30MA□-CE	SG53CM/16-CO□-CE			
5.5		11	24	SG53CM/24-30MA□-CE	SG53CM/24-CO□-CE			
7.5		15	32	SG53CM/32-30MA□-CE	SG53CM/32-CO□-CE			
—		18.5	40	SG53CM/40-30MA□-CE	SG53CM/40-CO□-CE			
11		22	45	SG53CM/45-30MA□-CE	SG53CM/45-CO□-CE			
60	15	30	60	SG63CM/60-30MA□-CE	SG63CM/60-CO□-CE	Blank, X, E, Y, P		
	100	18.5	37	75	SG103CM/75-30MA□-CE		SG103CM/75-CO□-CE	
100	22	45	90	SG103CM/90-30MA□-CE	SG103CM/90-CO□-CE	Blank, X, E, P		
	11	22	45	SG103RCM/45-30MA□-CE	SG103RCM/45-CO□-CE			
	15	30	60	SG103RCM/60-30MA□-CE	SG103RCM/60-CO□-CE			
	18.5	37	75	SG103RCM/75-30MA□-CE	SG103RCM/75-CO□-CE			
	22	45	90	SG103RCM/90-30MA□-CE	SG103RCM/90-CO□-CE			
	225	30	55	125	SG203CM/125-30MA□-CE		SG203CM/125-CO□-CE	Blank, X, E, P
37		75	150	SG203CM/150-30MA□-CE	SG203CM/150-CO□-CE			
45		90	175	SG203CM/175-30MA□-CE	SG203CM/175-CO□-CE			
55		110	225	SG203CM/225-30MA□-CE	SG203CM/225-CO□-CE			
30		55	125	SG203RCM/125-30MA□-CE	SG203RCM/125-CO□-CE			
37		75	150	SG203RCM/150-30MA□-CE	SG203RCM/150-CO□-CE			
45		90	175	SG203RCM/175-30MA□-CE	SG203RCM/175-CO□-CE			
55		110	225	SG203RCM/225-30MA□-CE	SG203RCM/225-CO□-CE			

■ EG series, 3-pole IEC and CE marking conformed

Breaker ampere frame	Motor capacity (kW)		Rated current (A)	Sensitive current		□ : Available mounting and connection
	200/220V	400/440V		30mA	100mA	
30	0.2	0.4	1.4	EG33CM/1.4-30MA□-CE	EG33CM/1.4-100MA□-CE	Blank, X, E, Y, P
	0.4	—	2.6	EG33CM/2.6-30MA□-CE	EG33CM/2.6-100MA□-CE	
	0.75	1.5	4	EG33CM/4-30MA□-CE	EG33CM/4-100MA□-CE	
	1	2.2	5	EG33CM/5-30MA□-CE	EG33CM/5-100MA□-CE	
	1.5	3.7	8	EG33CM/8-30MA□-CE	EG33CM/8-100MA□-CE	
	2.2	—	10	EG33CM/10-30MA□-CE	EG33CM/10-100MA□-CE	
	3.7	7.5	16	EG33CM/16-30MA□-CE	EG33CM/16-100MA□-CE	
	5.5	11	24	EG33CM/24-30MA□-CE	EG33CM/24-100MA□-CE	
	7.5	15	32	EG33CM/32-30MA□-CE	EG33CM/32-100MA□-CE	
50	11	22	45	EG53CM/45-30MA□-CE	Sensitive current 100/200mA EG53CM/45-CO□-CE	Blank, X, E, Y, P
60	15	30	60	EG63CM/60-30MA□-CE	Sensitive current 100/200mA EG63CM/60-CO□-CE	Blank, X, E, Y, P
100	15	30	60	EG103CM/60-30MA□-CE	Sensitive current 100/200/500mA EG103CM/60-CO□-CE	Blank, X, E, Y, P
	18.5	37	75	EG103CM/75-30MA□-CE	EG103CM/75-CO□-CE	
	22	45	90	EG103CM/90-30MA□-CE	EG103CM/90-CO□-CE	
225	30	55	125	EG203CM/125-30MA□-CE	Sensitive current 100/200/500mA EG203CM/125-CO□-CE	Blank, X, E, P
	37	75	150	EG203CM/150-30MA□-CE	EG203CM/150-CO□-CE	
	45	90	175	EG203CM/175-30MA□-CE	EG203CM/175-CO□-CE	
	55	110	225	EG203CM/225-30MA□-CE	EG203CM/225-CO□-CE	