

# 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 C8371**

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/20-15MA☐-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		
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/75-CO☐-CE		EG102C/75-CO☐-CE
		—	—	EG102C/100-30MA☐-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 C8371

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 C8371

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) 200/220V 400/440V		Rated current (A)	Sensitive current 30mA	Sensitive current 100/200/500mA selectable	□ : Available mounting and connection
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	
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	Blank, X, E, P
	22	45	90	SG103CM/90-30MA□-CE	SG103CM/90-CO□-CE	
	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	<b>EG33CM/1.4-30MA□-CE</b>	<b>EG33CM/1.4-100MA□-CE</b>	Blank, X, E, Y, P
	0.4	—	2.6	<b>EG33CM/2.6-30MA□-CE</b>	<b>EG33CM/2.6-100MA□-CE</b>	
	0.75	1.5	4	<b>EG33CM/4-30MA□-CE</b>	<b>EG33CM/4-100MA□-CE</b>	
	1	2.2	5	<b>EG33CM/5-30MA□-CE</b>	<b>EG33CM/5-100MA□-CE</b>	
	1.5	3.7	8	<b>EG33CM/8-30MA□-CE</b>	<b>EG33CM/8-100MA□-CE</b>	
	2.2	—	10	<b>EG33CM/10-30MA□-CE</b>	<b>EG33CM/10-100MA□-CE</b>	
	3.7	7.5	16	<b>EG33CM/16-30MA□-CE</b>	<b>EG33CM/16-100MA□-CE</b>	
	5.5	11	24	<b>EG33CM/24-30MA□-CE</b>	<b>EG33CM/24-100MA□-CE</b>	
	7.5	15	32	<b>EG33CM/32-30MA□-CE</b>	<b>EG33CM/32-100MA□-CE</b>	
	50	11	22	45	<b>EG53CM/45-30MA□-CE</b>	
60	15	30	60	<b>EG63CM/60-30MA□-CE</b>	Sensitive current 100/200mA <b>EG63CM/60-CO□-CE</b>	Blank, X, E, Y, P
100	15	30	60	<b>EG103CM/60-30MA□-CE</b>	Sensitive current 100/200/500mA <b>EG103CM/60-CO□-CE</b>	Blank, X, E, Y, P
	18.5	37	75	<b>EG103CM/75-30MA□-CE</b>	<b>EG103CM/75-CO□-CE</b>	
	22	45	90	<b>EG103CM/90-30MA□-CE</b>	<b>EG103CM/90-CO□-CE</b>	
	225	55	125	<b>EG203CM/125-30MA□-CE</b>	Sensitive current 100/200/500mA <b>EG203CM/125-CO□-CE</b>	
225	37	75	150	<b>EG203CM/150-30MA□-CE</b>	<b>EG203CM/150-CO□-CE</b>	Blank, X, E, P
	45	90	175	<b>EG203CM/175-30MA□-CE</b>	<b>EG203CM/175-CO□-CE</b>	
	55	110	225	<b>EG203CM/225-30MA□-CE</b>	<b>EG203CM/225-CO□-CE</b>	